

# **GREAT LAKES WATER QUALITY DATA SUMMARY**

## **St. Clair River 1976**

TD  
223.3  
.06  
S735  
1976



**Ministry  
of the  
Environment**

The Honourable  
George A. Kerr, Q.C.,  
Minister

K.H. Sharpe,  
Deputy Minister

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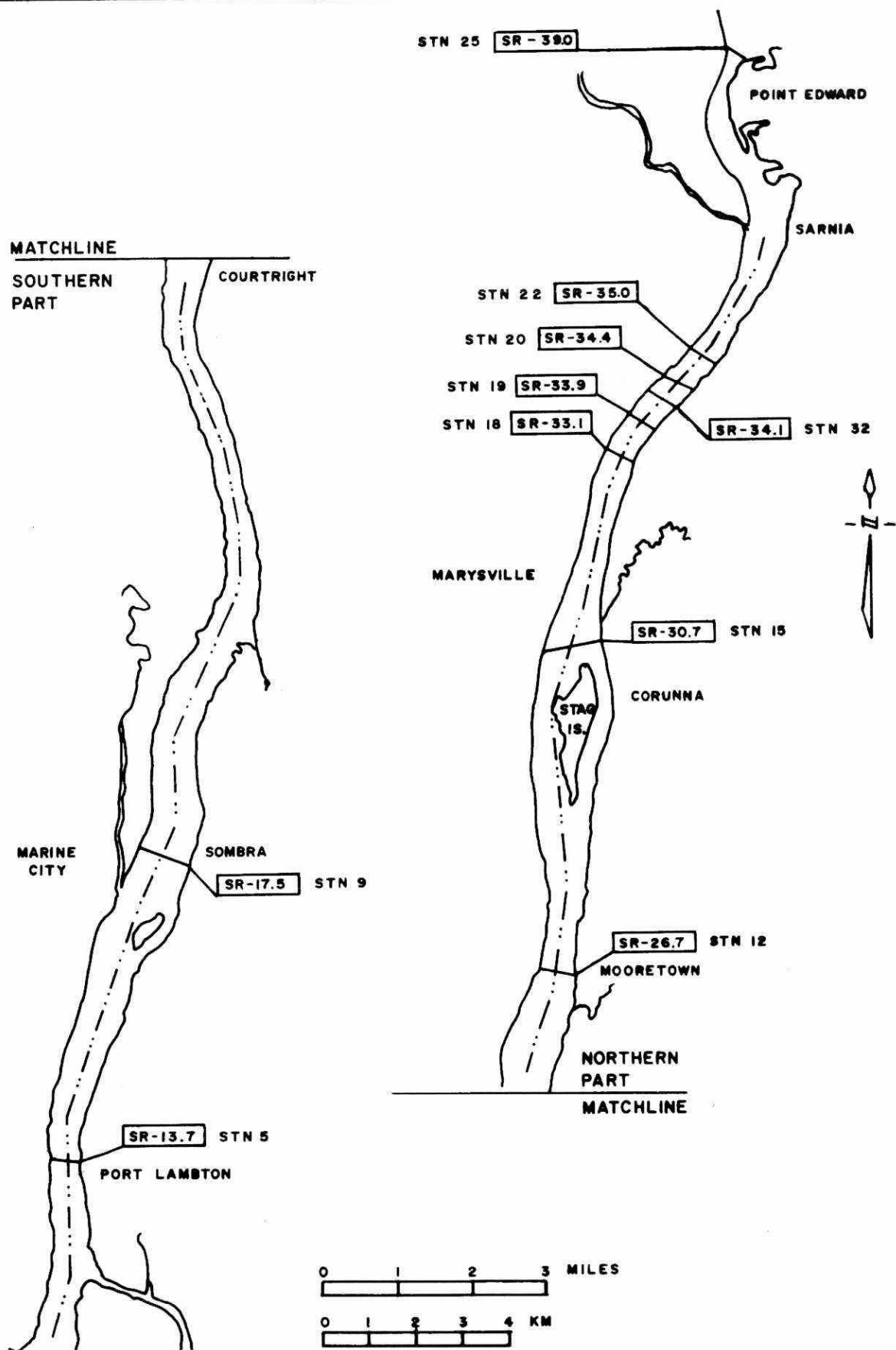
GREAT LAKES WATER QUALITY  
DATA SUMMARY

ST. CLAIR RIVER 1976

Prepared by:  
Great Lakes Surveys Unit  
Planning and Co-ordination Section  
Water Resources Branch  
September 1977

## CONTENTS

Station Location Map	1
Turbidity	2
Conductivity	6
Ammonia	10
Nitrate + Nitrite	14
Total Nitrogen	18
Phenols	22
Total Phosphorus	26
Reactive Phosphorus	30
Chloride	34
Organic Carbon	38
Total Coliforms	42
Fecal Coliforms	46
Reactive Silicate	50
Total Iron	54



**ST. CLAIR RIVER - MINISTRY OF THE ENVIRONMENT  
(I.J.C.) WATER QUALITY MONITORING RANGES**

## ST.CLAIR RIVER 1976

TURBIDITY-FORMAZIN UNIT

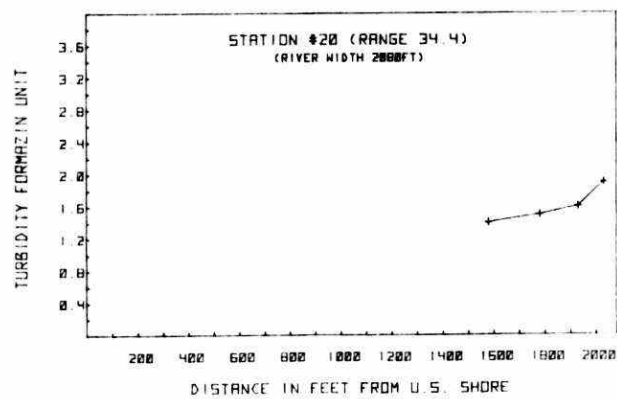
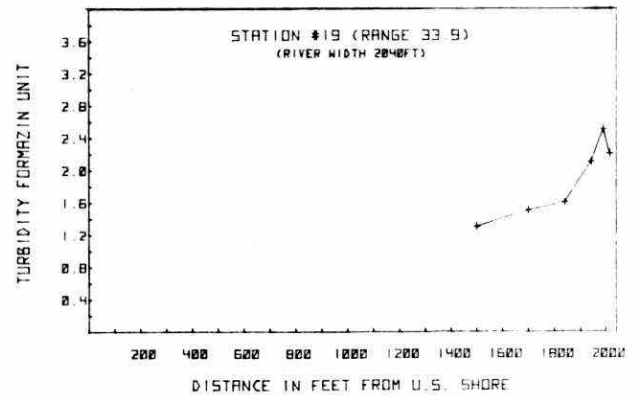
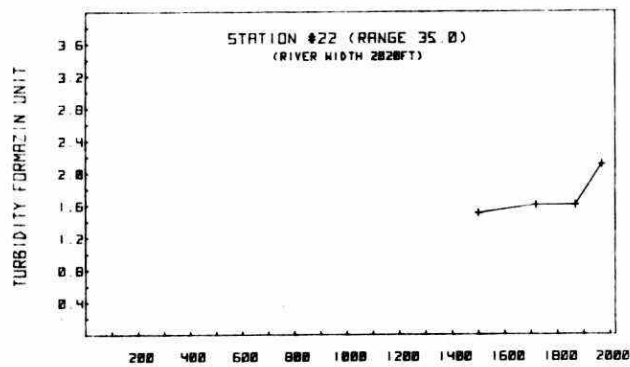
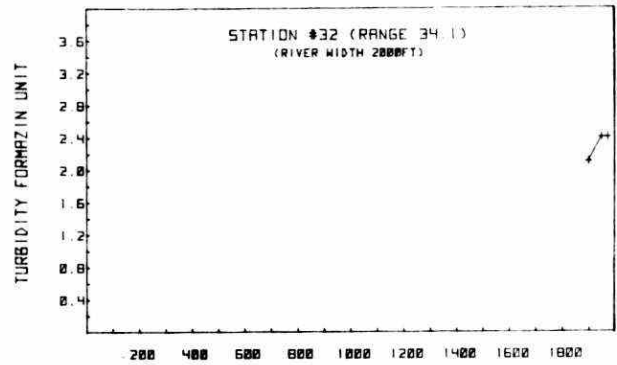
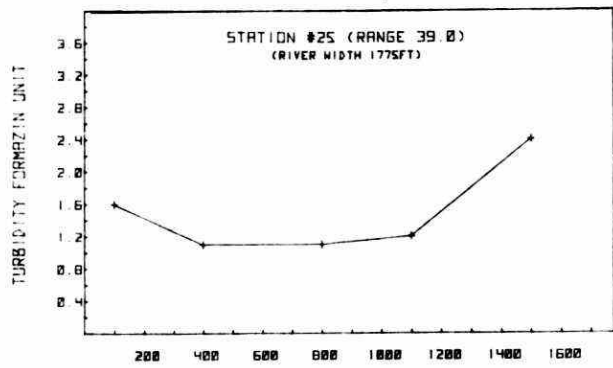
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	200	1.9	0.6	6	1.0	2.5
	700	1.8	0.5	6	0.8	2.3
	1000	1.6	0.6	6	0.8	2.4
	1400	1.6	0.4	6	1.0	2.2
	1900	1.5	0.1	5	1.4	1.7
9	100	1.8	0.7	6	0.7	2.5
	200	1.7	0.5	6	0.8	2.2
	1500	1.5	0.3	6	0.9	1.7
	2600	1.5	0.3	6	1.3	2.0
	2800	1.4	0.4	6	0.8	2.0
	3150	1.6	0.5	6	1.0	2.5
12	100	1.6	0.6	6	0.9	2.4
	800	1.5	0.4	6	1.0	2.0
	1200	1.4	0.3	6	0.9	1.9
	1900	1.2	0.3	6	1.0	1.6
	2350	1.5	0.4	6	1.0	2.1
	2450	1.7	0.3	6	1.4	2.1
15	100	1.5	0.4	6	1.0	2.3
	300	1.2	0.2	6	1.0	1.5
	2100	1.2	0.2	6	1.0	1.5
	3350	1.6	0.4	6	1.4	2.3
	3550	1.7	0.4	6	1.5	2.5
	3700	2.1	0.4	4	1.7	2.6
18	50	1.4	0.3	6	1.0	1.8
	150	1.2	0.1	6	1.0	1.4
	1040	1.1	0.2	6	1.0	1.4
	1780	1.3	0.3	6	1.0	1.8
	1930	1.4	0.4	6	1.0	2.2
	2030	1.4	0.5	5	0.6	1.9
19	1500	1.3	0.6	7	0.7	2.5
	1700	1.5	0.5	7	1.1	2.5
	1840	1.6	0.4	7	1.2	2.5
	1940	2.1	1.1	7	1.4	4.6
	1990	2.5	1.5	7	1.4	5.5
	2015	2.2	0.8	5	1.6	3.5
20	1580	1.4	0.4	7	1.0	2.2
	1780	1.5	0.5	7	1.0	2.5
	1930	1.6	0.5	7	1.0	2.6
	2030	1.9	0.6	7	1.0	3.0

## ST.CLAIR RIVER 1976

TURBIDITY -FORMAZIN UNIT

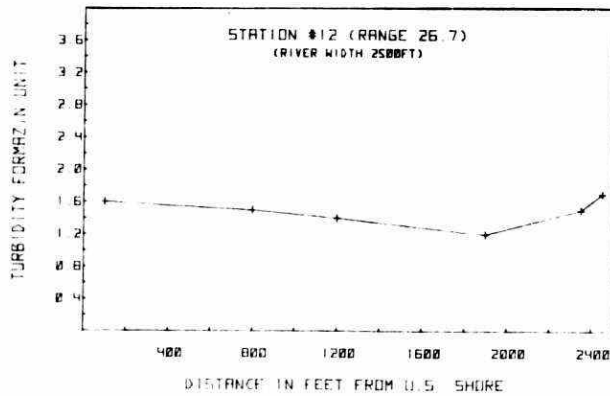
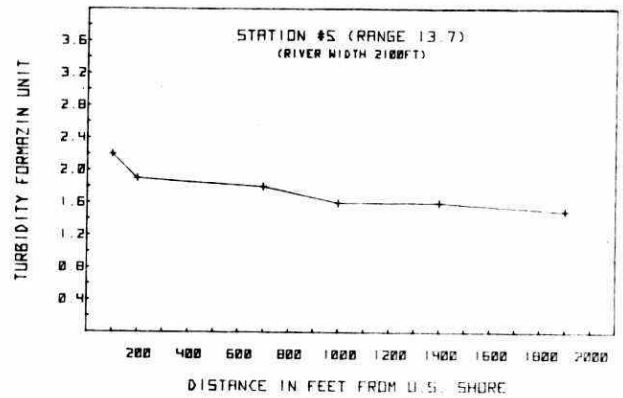
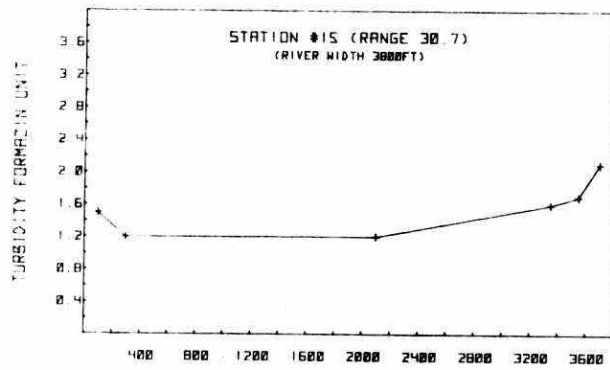
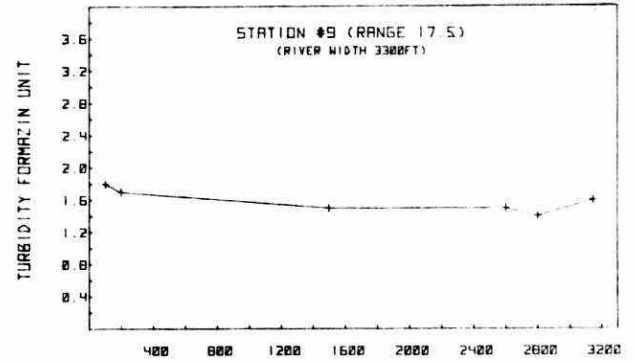
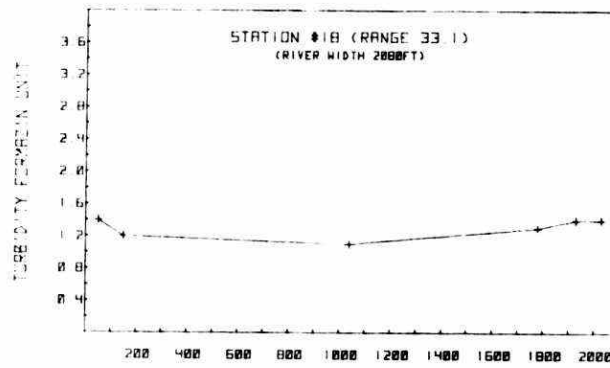
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22	1500	1.5	0.5	7	1.0	2.5
	1720	1.6	0.4	7	1.0	2.4
	1870	1.6	0.4	7	1.2	2.3
	1970	2.1	0.7	4	1.5	3.0
25	100	1.6	1.0	7	0.8	3.5
	400	1.1	0.4	7	0.8	1.9
	800	1.1	0.4	7	0.8	1.9
	1100	1.2	0.5	7	0.9	2.2
	1500	2.4	1.0	5	0.9	3.4
32	1900	2.1	0.5	4	1.5	2.8
	1950	2.4	0.6	4	1.8	3.2
	1975	2.4	0.6	4	1.9	3.3

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

CONDUCTIVITY UMHOS/CM

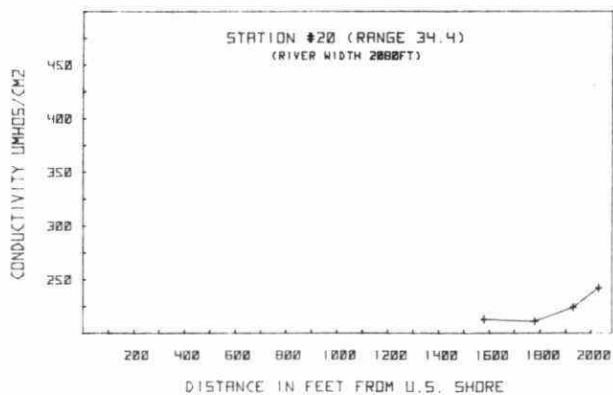
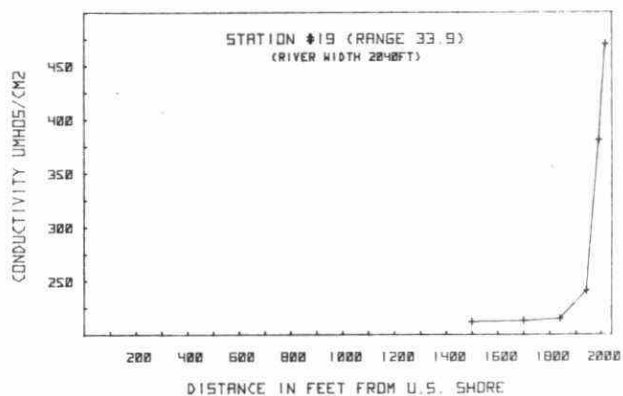
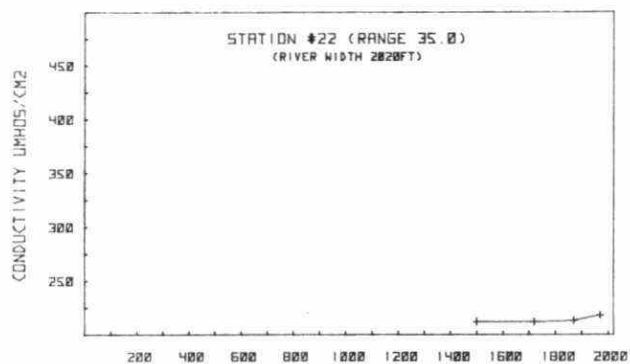
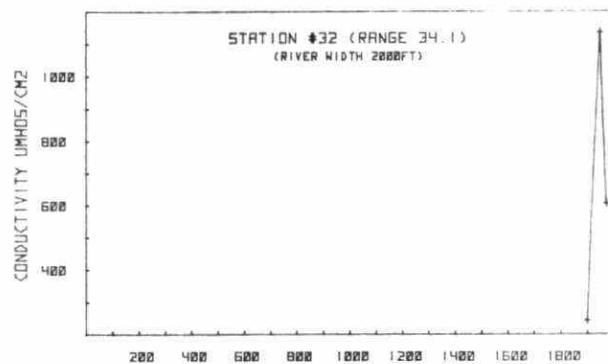
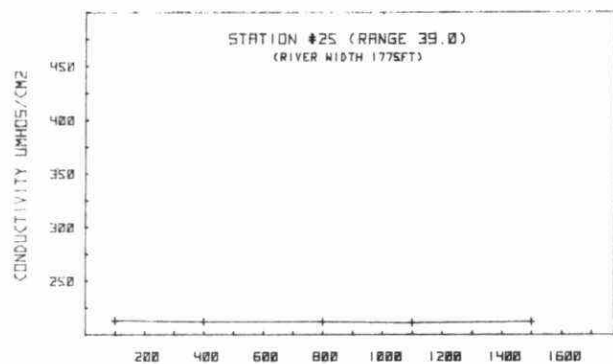
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5	100	227	8	6	220	239
	200	224	7	6	215	235
	700	218	6	6	210	225
	1000	213	5	6	205	219
	1400	220	4	6	215	225
	1900	229	10	5	220	245
9	100	222	8	6	205	227
	200	220	6	6	210	226
	1500	220	15	6	210	250
	2600	214	8	6	200	221
	2800	215	9	6	200	226
	3150	223	8	6	210	230
12	100	221	10	6	205	233
	800	212	6	6	205	217
	1200	211	6	6	205	217
	1900	210	6	6	205	216
	2350	234	8	6	225	243
	2450	242	7	6	235	250
15	100	240	7	6	233	250
	300	214	7	6	205	223
	2100	210	6	6	205	217
	3350	223	9	6	210	234
	3550	256	24	6	240	303
	3700	288	19	4	260	305
18	50	216	11	6	205	233
	150	216	7	6	205	220
	1040	213	6	6	205	220
	1780	212	6	6	205	220
	1930	261	28	6	225	300
	2030	344	30	5	317	390
19	1500	212	6	6	205	219
	1700	213	7	6	205	219
	1840	215	7	7	205	223
	1940	241	17	7	220	265
	1990	381	62	7	295	465
	2015	470	65	5	375	540
20	1580	213	7	7	205	220
	1780	211	6	7	205	217
	1930	224	14	7	210	249
	2030	242	17	7	219	260

## ST.CLAIR RIVER 1976

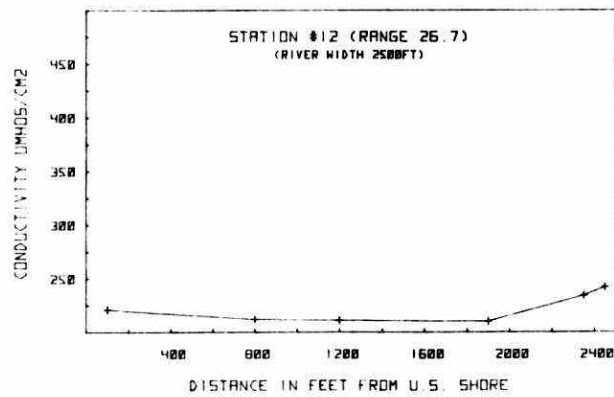
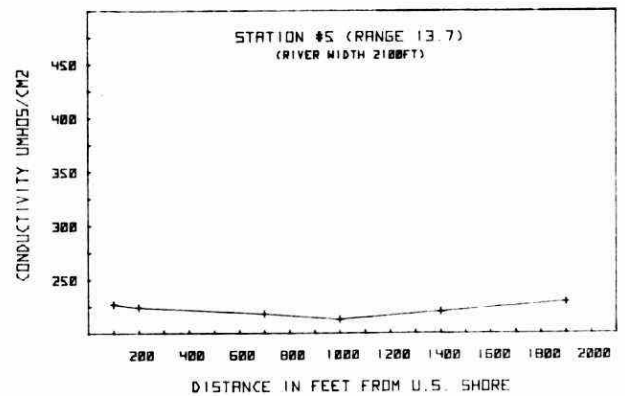
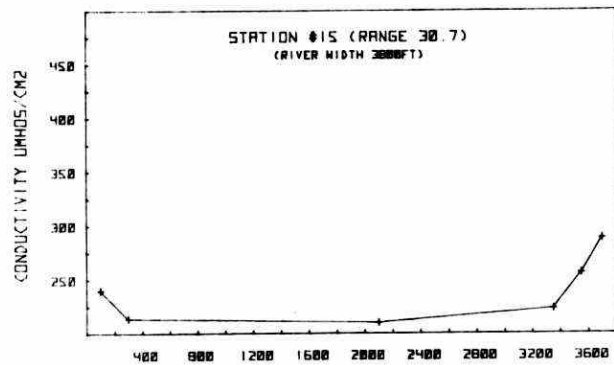
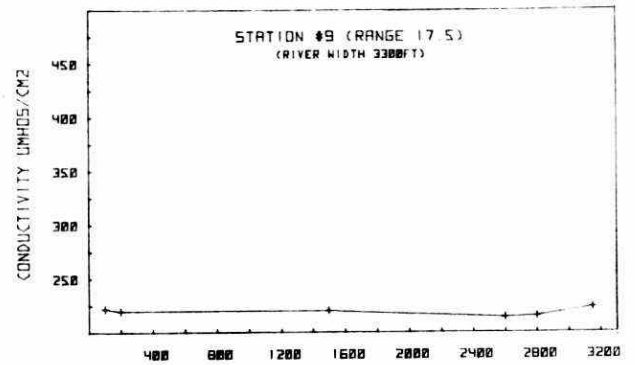
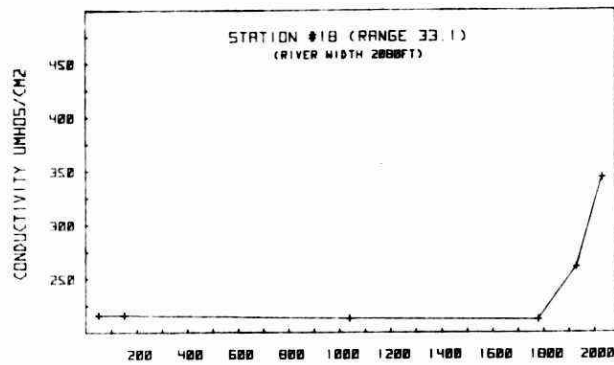
CONDUCTIVITY UMHOS/CM

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	212	7	7	205	219
	1720	212	7	7	205	220
	1870	213	6	7	205	220
	1970	218	3	4	213	220
25	100	213	9	7	205	230
	400	212	8	7	205	225
	800	212	7	7	205	220
	1100	211	6	7	205	218
	1500	212	5	5	205	216
32	1900	243	12	4	225	250
	1950	1134	673	4	235	1800
	1975	605	657	4	265	1590

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

AMMONIA (mg/l)

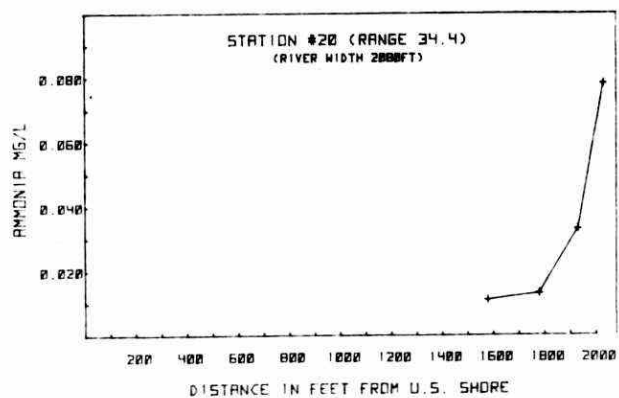
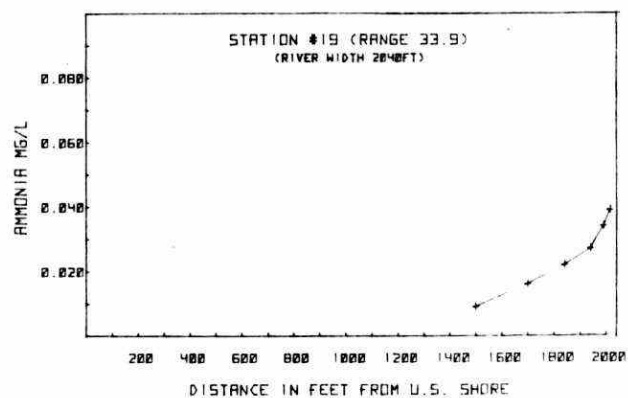
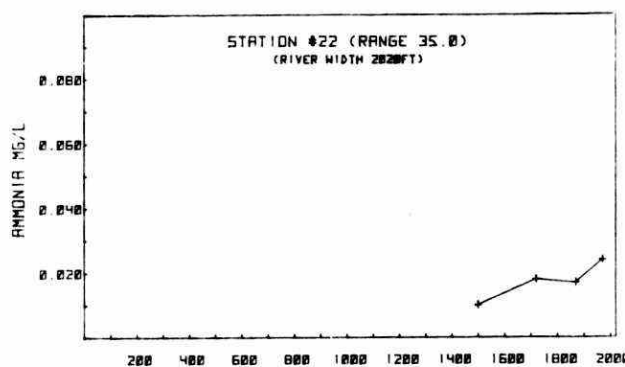
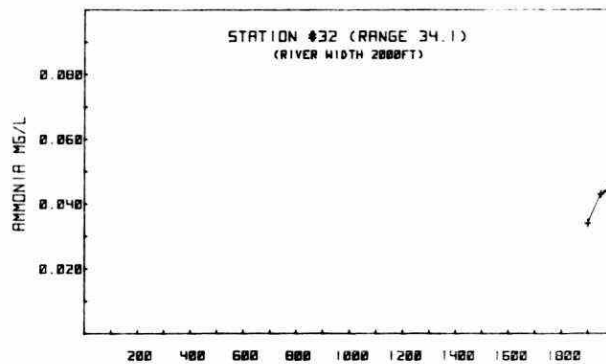
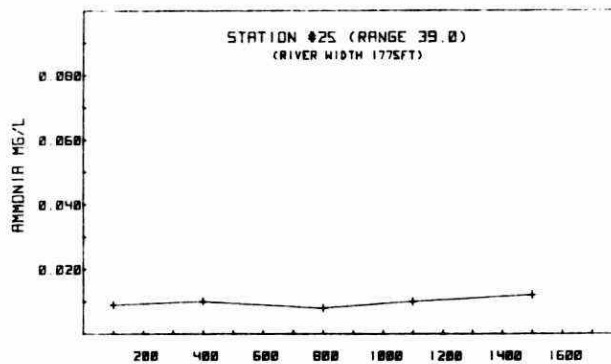
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5	100	0.015	0.007	6	0.006	0.025
	200	0.013	0.006	6	0.006	0.020
	700	0.012	0.006	6	0.006	0.020
	1000	0.011	0.004	6	0.006	0.015
	1400	0.015	0.006	6	0.008	0.025
	1900	0.027	0.018	6	0.012	0.060
9	100	0.014	0.007	6	0.008	0.025
	200	0.013	0.009	5	0.006	0.025
	1500	0.012	0.007	6	0.004	0.020
	2600	0.014	0.005	6	0.008	0.020
	2800	0.012	0.005	6	0.008	0.020
	3150	0.020	0.007	6	0.012	0.030
12	100	0.015	0.006	6	0.008	0.025
	800	0.008	0.003	6	0.004	0.010
	1200	0.009	0.004	6	0.004	0.015
	1900	0.008	0.003	6	0.004	0.010
	2350	0.016	0.005	6	0.008	0.020
	2450	0.017	0.005	6	0.010	0.025
15	100	0.017	0.005	6	0.010	0.022
	300	0.009	0.003	6	0.006	0.014
	2100	0.009	0.005	6	0.004	0.016
	3350	0.015	0.007	6	0.006	0.025
	3550	0.022	0.006	6	0.014	0.030
	3700	0.029	0.005	4	0.025	0.035
18	50	0.015	0.005	6	0.008	0.020
	150	0.010	0.004	6	0.004	0.015
	1040	0.009	0.004	6	0.004	0.015
	1780	0.015	0.005	6	0.008	0.022
	1930	0.034	0.018	6	0.020	0.070
	2030	0.033	0.015	5	0.014	0.055
19	1500	0.009	0.004	7	0.004	0.015
	1700	0.016	0.005	7	0.008	0.025
	1840	0.022	0.007	7	0.010	0.030
	1940	0.027	0.008	7	0.014	0.036
	1990	0.034	0.015	7	0.014	0.060
	2015	0.039	0.022	5	0.018	0.075
20	1580	0.011	0.004	7	0.004	0.015
	1780	0.013	0.004	7	0.008	0.018
	1930	1.643	0.506	7	1.000	2.600
	2030	1.929	0.621	7	1.000	3.000

## ST.CLAIR RIVER 1976

AMMONIA (mg/l)

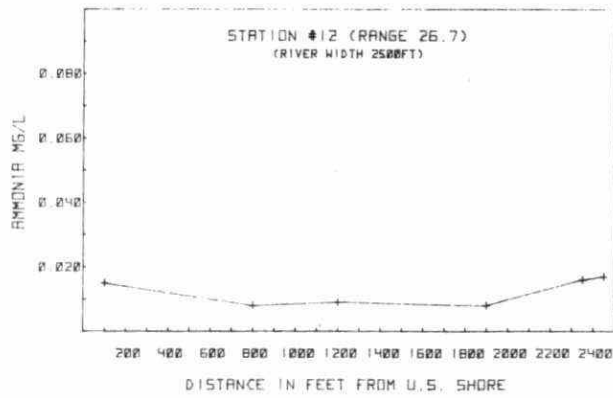
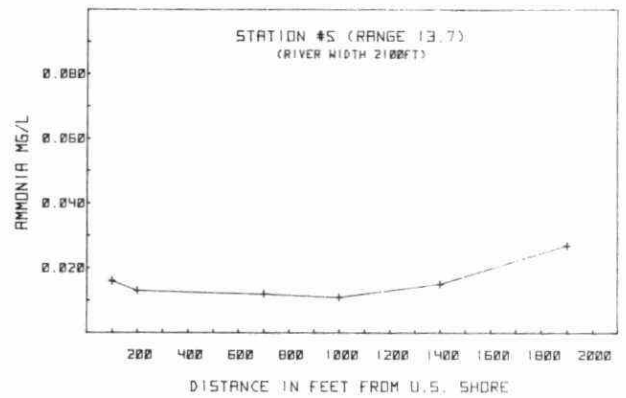
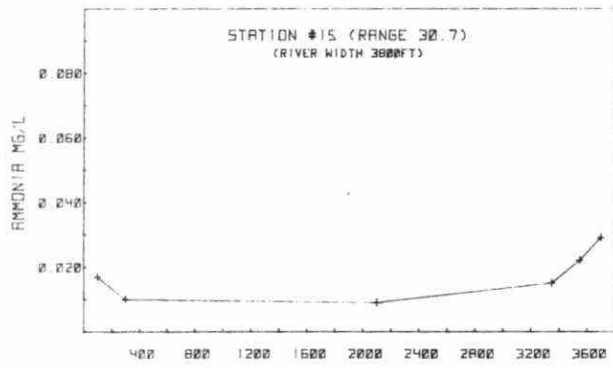
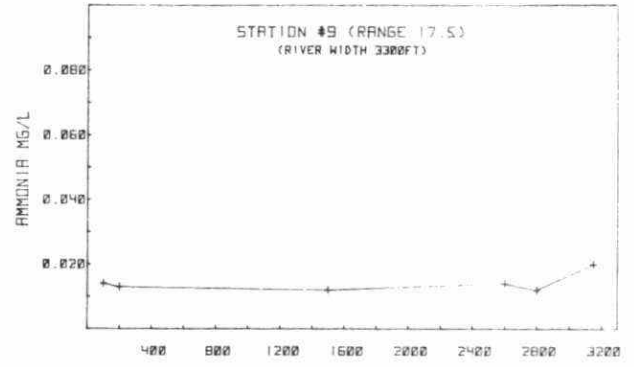
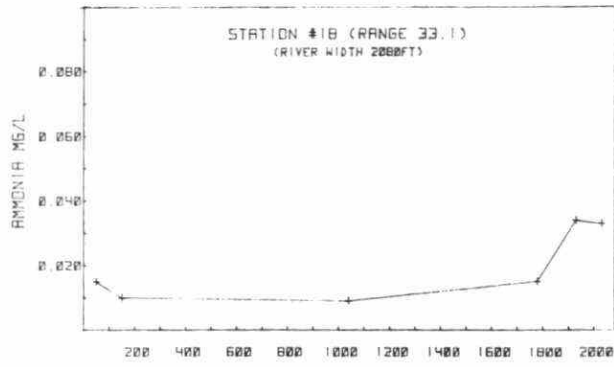
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	0.010	0.007	7	0.004	0.025
	1720	0.018	0.009	7	0.006	0.028
	1870	0.017	0.010	7	0.004	0.030
	1970	0.024	0.012	4	0.015	0.040
25	100	0.009	0.004	7	0.004	0.015
	400	0.010	0.002	7	0.008	0.015
	800	0.008	0.004	7	0.004	0.015
	1100	0.010	0.007	7	0.004	0.025
	1500	0.012	0.007	5	0.006	0.025
32	1900	0.034	0.005	4	0.030	0.040
	1950	0.043	0.006	4	0.035	0.050
	1975	0.044	0.014	4	0.035	0.065

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST. CLAIR RIVER 1976

NITRITE + NITRATE (mg/l)

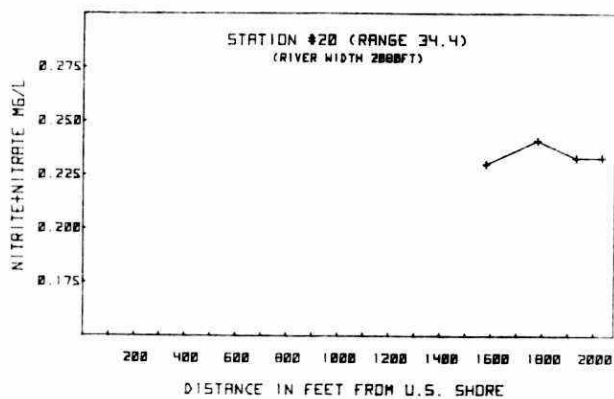
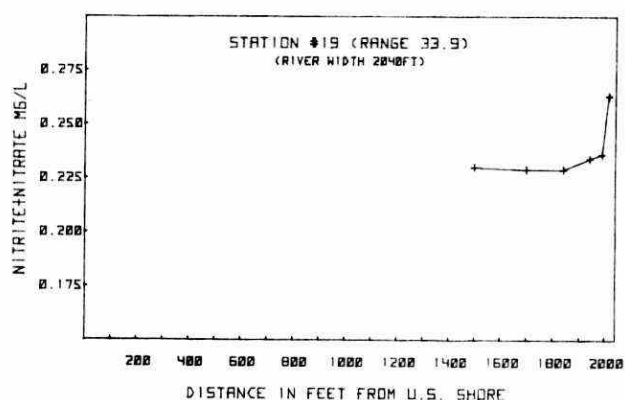
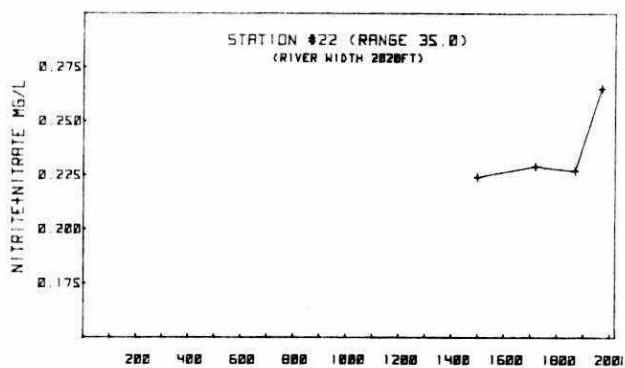
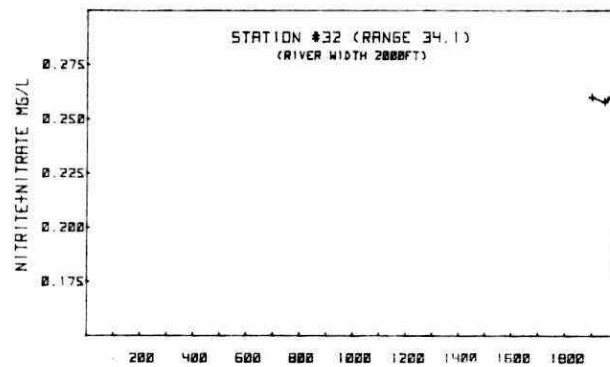
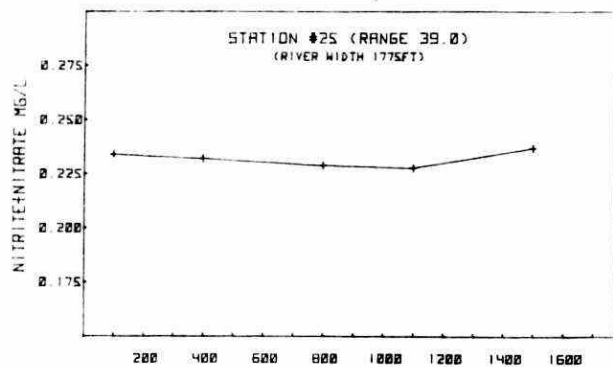
STN#	DIST. FROM U.S. SHORE	MEAN	STD. DEV.	N	MIN.	MAX.
5	100	0.223	0.044	6	0.185	0.290
	200	0.219	0.048	6	0.170	0.260
	700	0.218	0.045	6	0.175	0.270
	1000	0.220	0.047	6	0.175	0.280
	1400	0.220	0.043	6	0.180	0.270
	1900	0.228	0.056	6	0.180	0.310
9	100	0.220	0.048	6	0.170	0.270
	200	0.281	0.167	6	0.175	0.610
	1500	0.223	0.051	6	0.175	0.270
	2600	0.220	0.041	6	0.175	0.260
	2800	0.207	0.042	6	0.175	0.260
	3150	0.227	0.044	6	0.185	0.280
12	100	0.223	0.041	6	0.185	0.270
	800	0.220	0.045	6	0.175	0.270
	1200	0.221	0.047	6	0.170	0.270
	1900	0.221	0.040	6	0.175	0.260
	2350	0.217	0.045	6	0.165	0.260
	2450	0.218	0.041	6	0.165	0.260
15	100	0.227	0.042	6	0.170	0.270
	300	0.225	0.043	6	0.170	0.270
	2100	0.233	0.056	6	0.170	0.290
	3350	0.231	0.048	6	0.175	0.280
	3550	0.223	0.047	6	0.155	0.270
	3700	0.238	0.039	4	0.180	0.260
18	50	0.233	0.051	6	0.170	0.290
	150	0.230	0.048	6	0.175	0.280
	1040	0.226	0.046	6	0.170	0.270
	1780	0.226	0.042	6	0.180	0.270
	1930	0.225	0.039	6	0.180	0.260
	2030	0.225	0.041	4	0.185	0.260
19	1500	0.230	0.045	7	0.175	0.280
	1700	0.229	0.046	7	0.170	0.280
	1840	0.229	0.046	7	0.170	0.280
	1940	0.234	0.043	7	0.175	0.280
	1990	0.236	0.047	7	0.170	0.280
	2015	0.263	0.015	3	0.250	0.280
20	1580	0.230	0.043	7	0.180	0.290
	1780	0.241	0.054	7	0.180	0.310
	1930	0.233	0.058	7	0.145	0.310
	2030	0.233	0.037	7	0.185	0.290
22	1500	0.224	0.045	7	0.170	0.280
	1720	0.229	0.046	7	0.180	0.280
	1870	0.227	0.035	7	0.185	0.260
	1970	0.265	0.019	4	0.250	0.290

## ST.CLAIR RIVER 1976

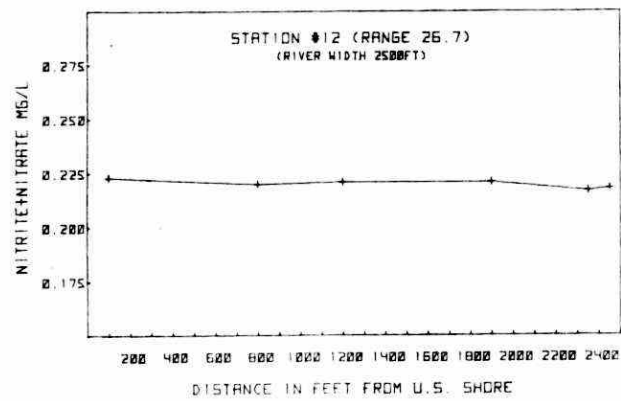
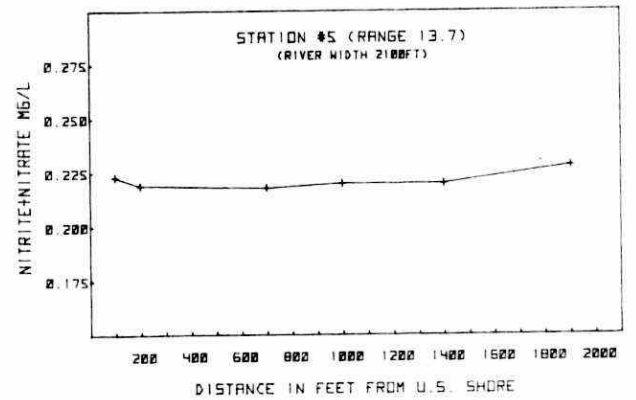
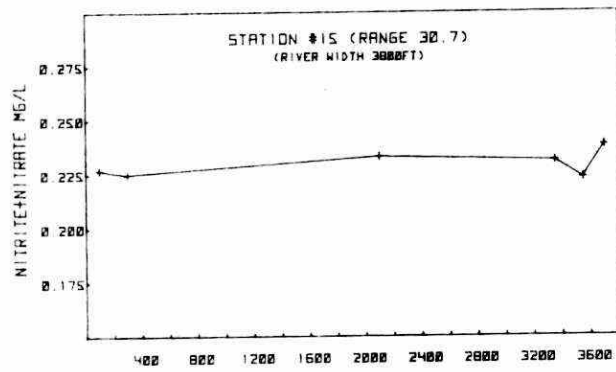
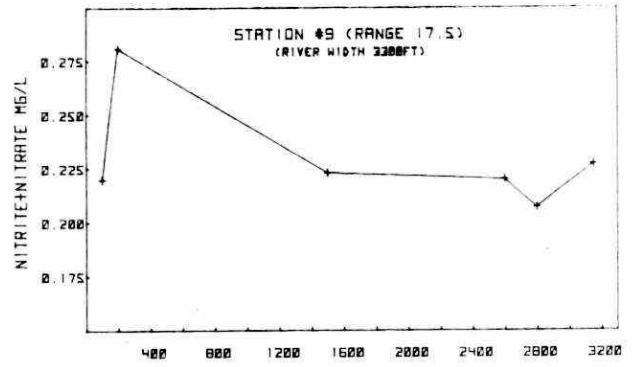
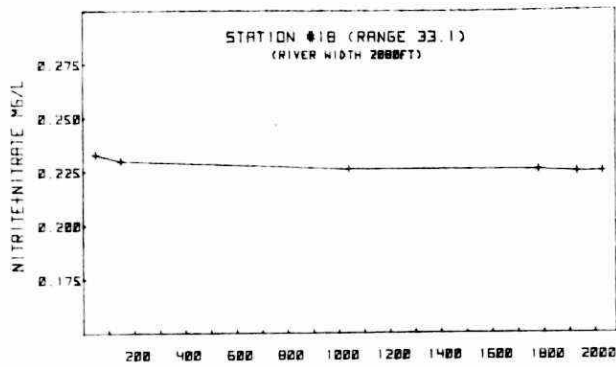
NITRITE + NITRATE (mg/l)

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
25	100	0.234	0.055	7	0.170	0.300
	400	0.232	0.055	7	0.180	0.300
	800	0.229	0.066	7	0.135	0.310
	1100	0.228	0.051	7	0.175	0.290
	1500	0.237	0.039	5	0.185	0.280
32	1900	0.260	0.008	4	0.250	0.270
	1950	0.258	0.013	4	0.240	0.270
	1975	0.260	0.016	4	0.240	0.280

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

TOTAL NITROGEN (mg/l)

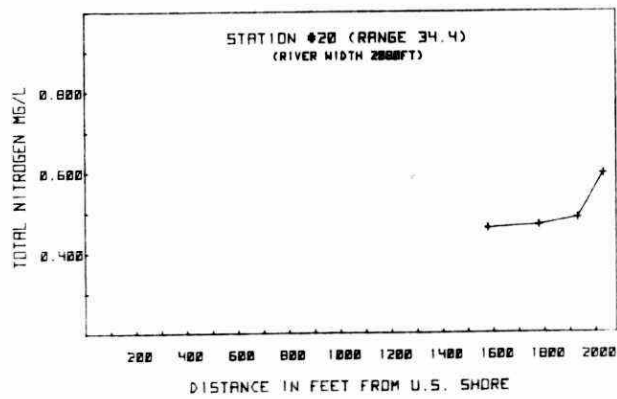
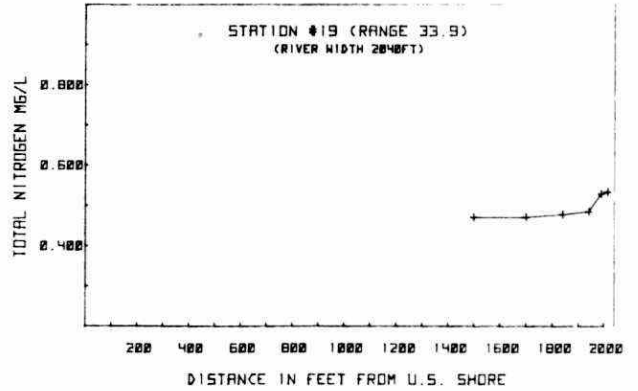
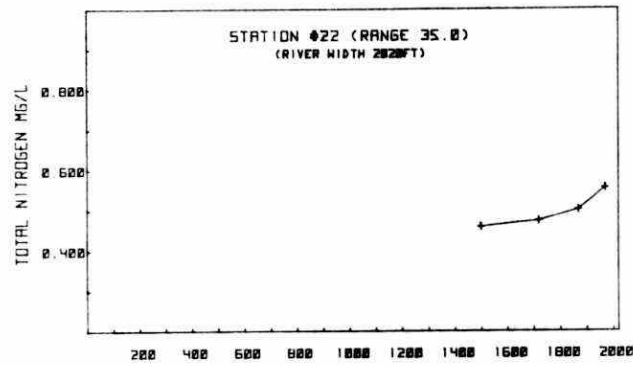
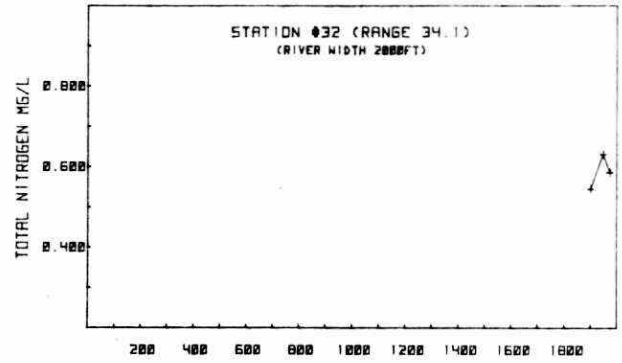
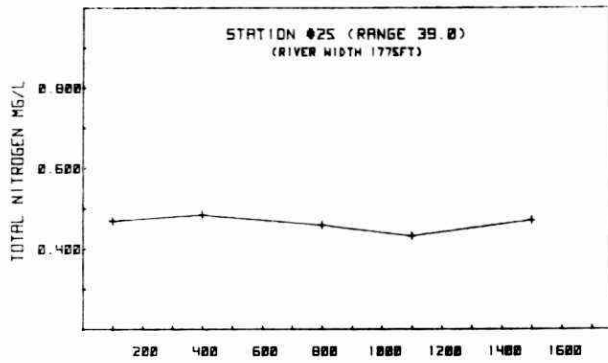
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	0.454	0.079	6	0.320	0.550
	200	0.430	0.052	6	0.345	0.485
	700	0.434	0.063	6	0.360	0.515
	1000	0.427	0.047	6	0.380	0.495
	1400	0.439	0.108	6	0.315	0.600
	1900	0.458	0.098	6	0.355	0.625
9	100	0.434	0.037	6	0.380	0.495
	200	0.498	0.153	6	0.365	0.785
	1500	0.462	0.075	6	0.365	0.570
	2600	0.451	0.040	6	0.390	0.505
	2800	0.450	0.044	6	0.375	0.495
	3150	0.469	0.082	6	0.355	0.590
12	100	0.474	0.086	6	0.395	0.625
	800	0.443	0.053	6	0.380	0.515
	1200	0.449	0.088	6	0.305	0.550
	1900	0.418	0.055	6	0.335	0.475
	2350	0.438	0.077	6	0.345	0.545
	2450	0.460	0.073	6	0.375	0.535
15	100	0.429	0.059	6	0.330	0.485
	300	0.423	0.061	6	0.355	0.485
	2100	0.440	0.096	6	0.325	0.555
	3350	0.492	0.091	6	0.365	0.595
	3550	0.455	0.075	6	0.360	0.525
	3700	0.501	0.071	4	0.395	0.545
18	100	0.472	0.079	6	0.375	0.590
	150	0.419	0.095	6	0.280	0.520
	1040	0.438	0.083	6	0.330	0.555
	1780	0.438	0.082	6	0.325	0.515
	1930	0.466	0.075	6	0.375	0.570
	2030	0.535	0.098	5	0.425	0.635
19	1500	0.471	0.082	7	0.360	0.605
	1700	0.471	0.097	7	0.350	0.615
	1840	0.478	0.082	7	0.350	0.600
	1940	0.485	0.080	7	0.365	0.560
	1990	0.529	0.100	7	0.390	0.635
	2015	0.534	0.119	5	0.340	0.665
20	1580	0.461	0.092	7	0.340	0.545
	1780	0.468	0.072	7	0.355	0.535
	1930	0.486	0.100	7	0.350	0.655
	2030	0.596	0.115	7	0.455	0.725

## ST.CLAIR RIVER 1976

TOTAL NITROGEN (mg/l)

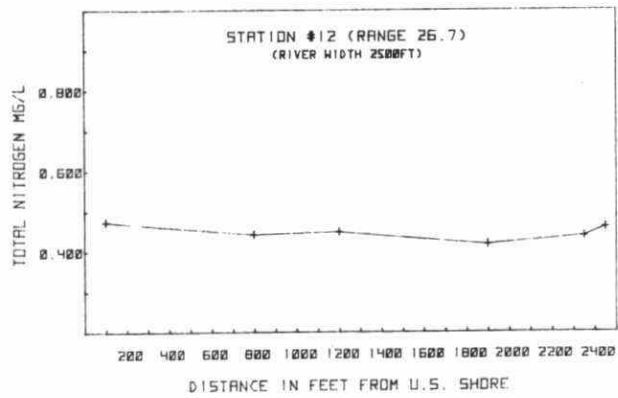
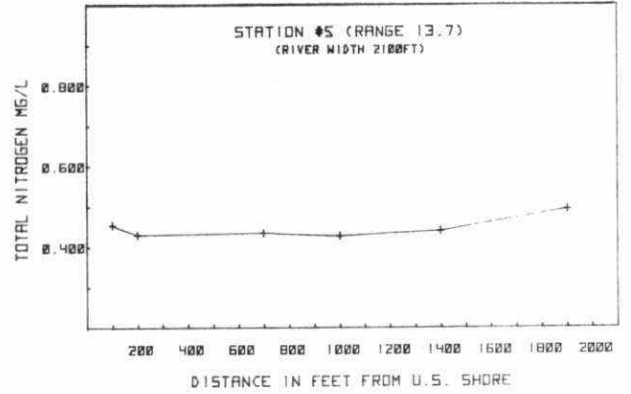
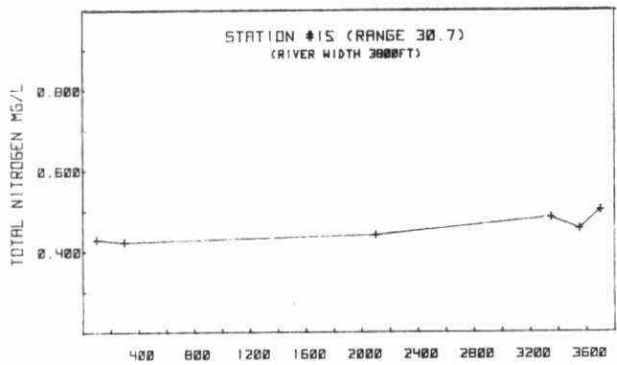
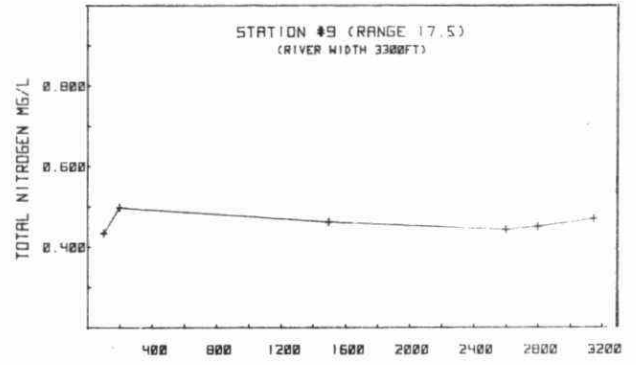
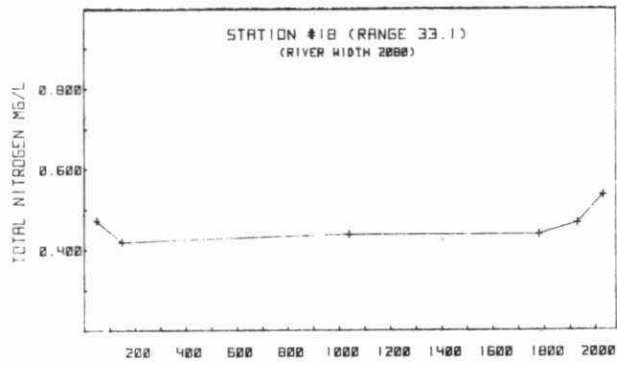
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	0.459	0.099	7	0.325	0.605
	1720	0.474	0.100	7	0.360	0.595
	1870	0.501	0.131	7	0.335	0.725
	1970	0.555	0.066	4	0.485	0.635
25	100	0.469	0.105	7	0.345	0.675
	400	0.484	0.076	7	0.380	0.575
	800	0.459	0.086	7	0.305	0.555
	1100	0.432	0.074	7	0.300	0.505
	1500	0.471	0.073	5	0.360	0.545
32	1900	0.545	0.020	4	0.525	0.570
	1950	0.631	0.123	4	0.545	0.810
	1975	0.586	0.028	4	0.545	0.605

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

PHENOLS (ug/l)

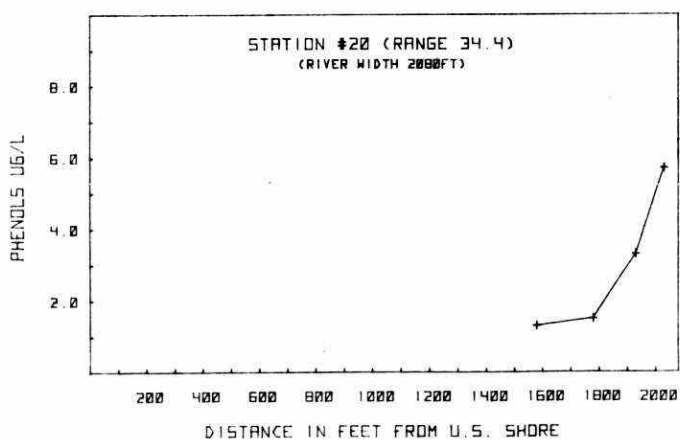
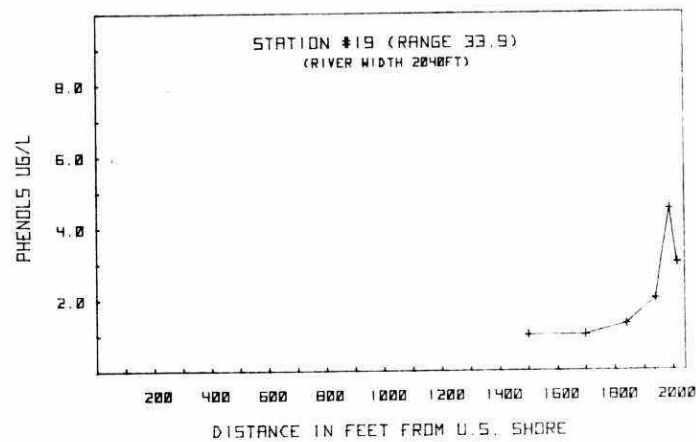
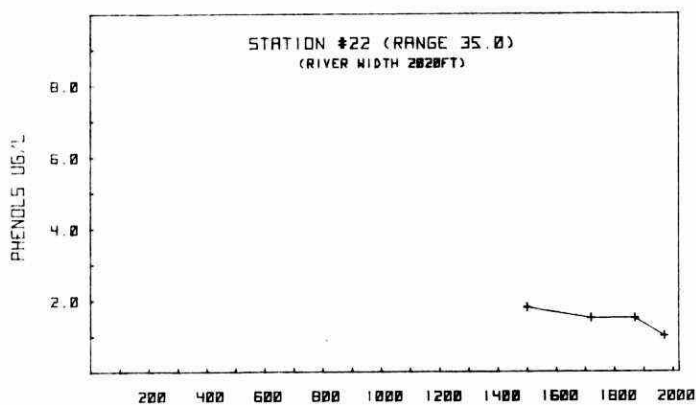
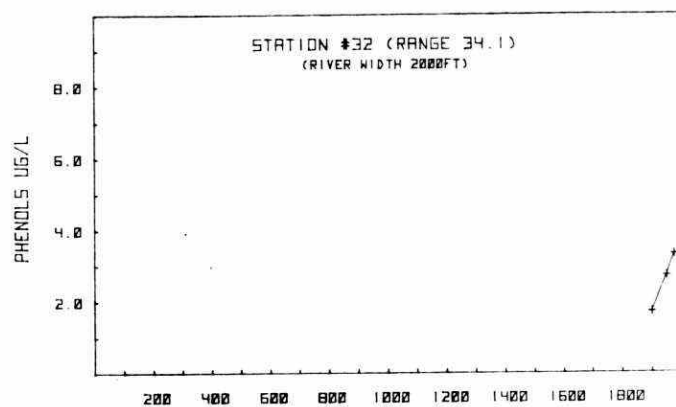
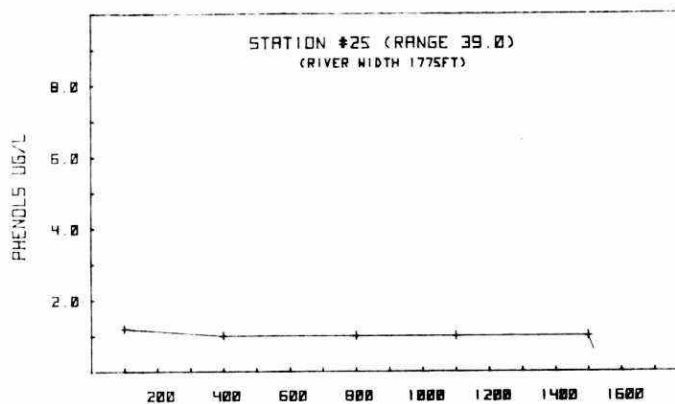
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	1.0	0.0	5	1.0	1.0
	200	1.0	0.0	5	1.0	1.0
	700	1.0	0.0	5	1.0	1.0
	1000	1.0	0.0	5	1.0	1.0
	1400	1.0	0.0	5	1.0	1.0
	1900	1.0	0.0	5	1.0	1.0
9	100	1.0	0.0	5	1.0	1.0
	200	1.2	0.4	5	1.0	2.0
	1500	1.0	0.0	5	1.0	1.0
	2600	1.0	0.0	5	1.0	1.0
	2800	1.0	0.0	5	1.0	1.0
	3150	1.4	0.5	5	1.0	2.0
12	100	1.0	0.0	5	1.0	1.0
	800	1.2	0.4	5	1.0	2.0
	1200	1.0	0.0	5	1.0	1.0
	1900	1.0	0.0	5	1.0	1.0
	2350	1.6	0.5	5	1.0	2.0
	2450	1.8	0.4	5	1.0	2.0
15	100	1.2	0.4	5	1.0	2.0
	300	1.4	0.9	5	1.0	3.0
	2100	1.0	0.0	5	1.0	1.0
	3350	1.0	0.0	5	1.0	1.0
	3550	1.6	0.5	5	1.0	2.0
	3700	3.3	2.1	3	1.0	5.0
18	50	1.0	0.0	5	1.0	1.0
	150	1.0	0.0	5	1.0	1.0
	1040	1.0	0.0	5	1.0	1.0
	1780	1.0	0.0	5	1.0	1.0
	1930	1.8	1.3	5	1.0	4.0
	2030	1.3	0.6	3	1.0	2.0
19	1500	1.0	0.0	6	1.0	1.0
	1700	1.0	0.0	6	1.0	1.0
	1840	1.3	0.8	6	1.0	3.0
	1940	2.0	1.3	6	1.0	4.0
	1990	4.5	4.8	6	1.0	14.0
	2015	3.0	1.2	4	2.0	4.0
20	1580	1.3	0.8	6	1.0	3.0
	1780	1.5	1.2	6	1.0	4.0
	1930	3.3	2.3	6	1.0	7.0
	2030	5.7	2.1	6	2.0	8.0

## ST.CLAIR RIVER 1976

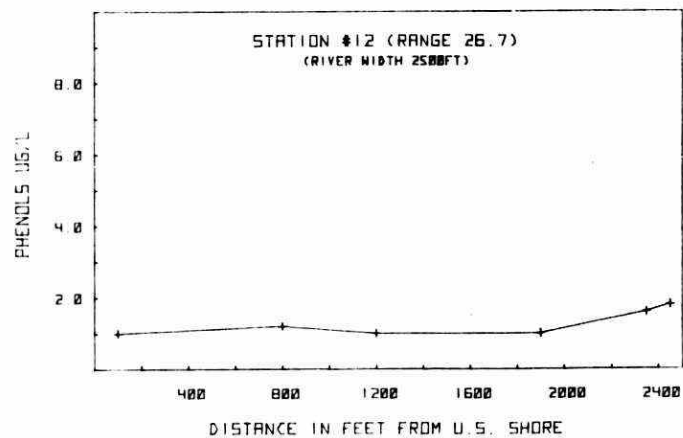
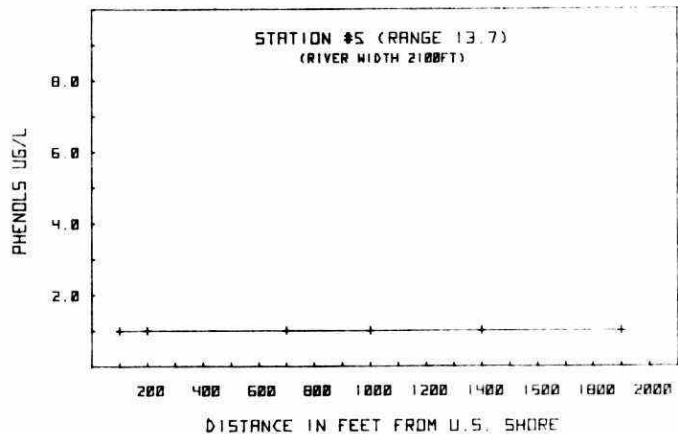
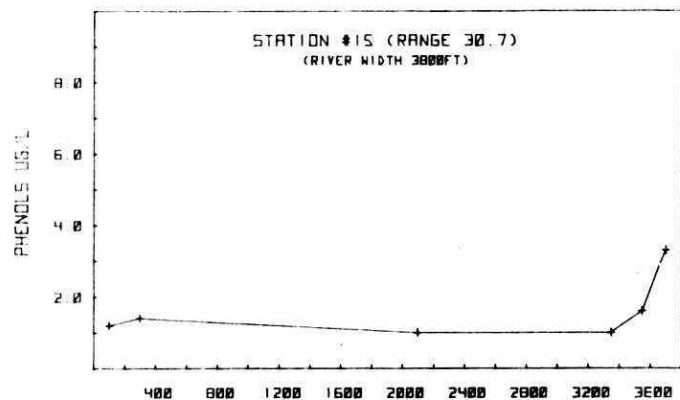
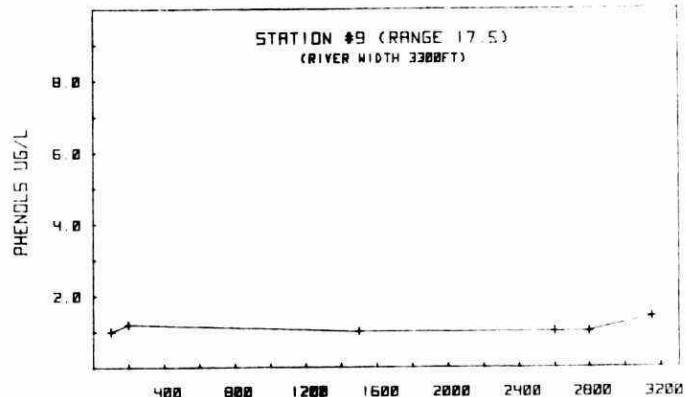
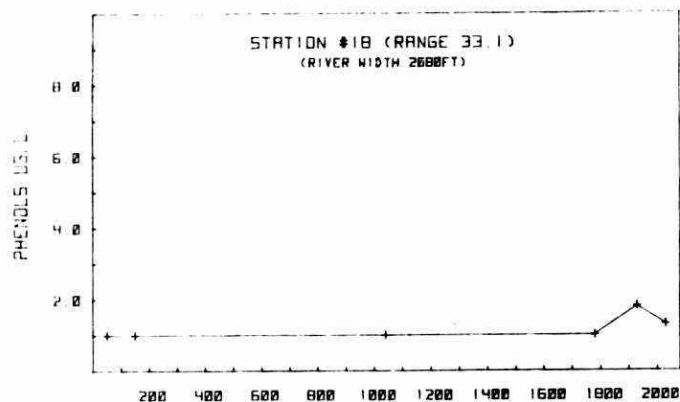
PHENOLS (ug/l)

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	1.8	2.0	6	1.0	6.0
	1720	1.5	1.2	6	1.0	4.0
	1870	1.5	1.2	6	1.0	4.0
	1970	1.0	0.0	3	1.0	1.0
25	100	1.2	0.4	6	1.0	2.0
	400	1.0	0.0	6	1.0	1.0
	800	1.0	0.0	6	1.0	1.0
	1100	1.0	0.0	6	1.0	1.0
	1500	1.0	0.0	4	1.0	1.0
32	1900	1.7	0.6	3	1.0	2.0
	1950	2.7	1.5	3	1.0	4.0
	1975	3.3	1.5	3	2.0	5.0

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

TOTAL PHOSPHORUS (ug/l)

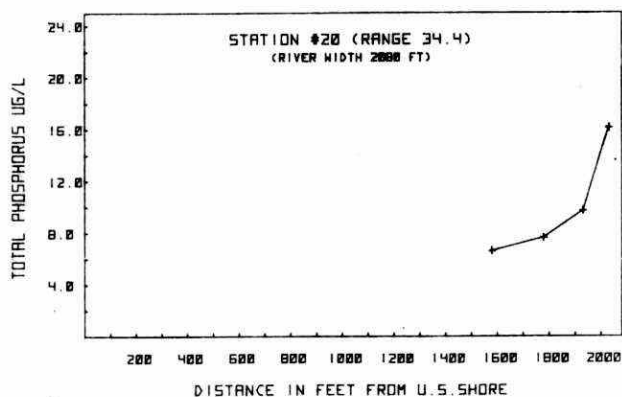
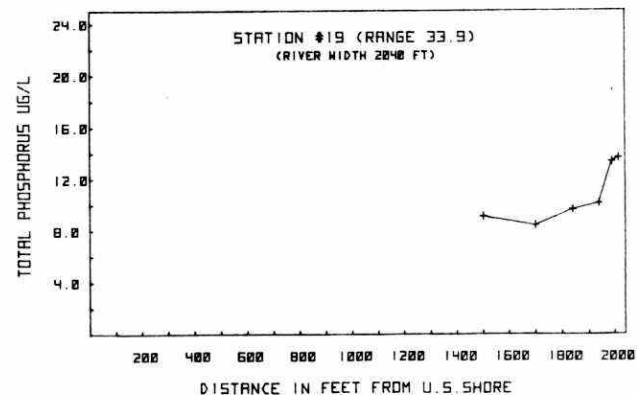
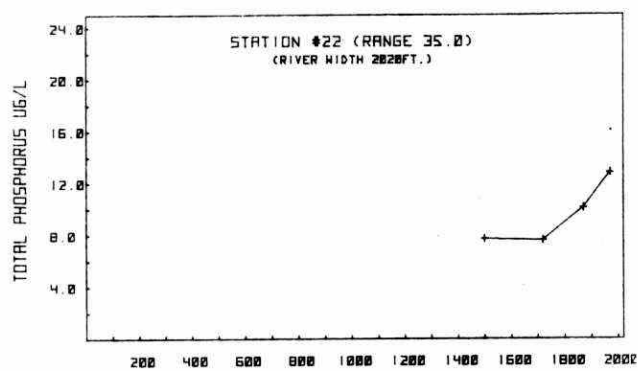
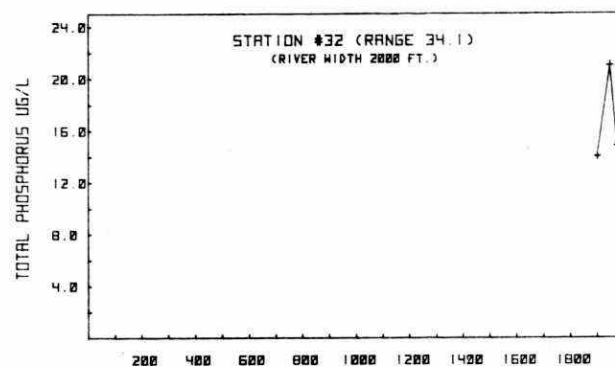
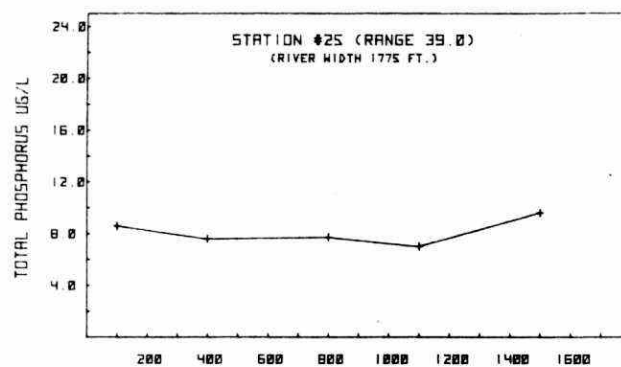
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	9.8	3.7	6	6.0	16.0
	200	8.7	3.1	6	4.0	13.0
	700	7.2	2.3	6	4.0	10.0
	1000	7.7	3.3	6	3.0	12.0
	1400	8.5	5.9	6	2.0	19.0
	1900	8.8	7.6	6	2.0	23.0
9	100	9.8	4.4	6	4.0	16.0
	200	8.5	4.2	6	2.0	13.0
	1500	7.3	3.9	6	1.0	11.0
	2600	6.7	3.1	6	3.0	12.0
	2800	7.7	3.7	6	2.0	13.0
	3150	8.3	6.6	6	3.0	20.0
12	100	8.0	3.2	6	4.0	12.0
	800	6.2	2.8	6	3.0	10.0
	1200	7.8	3.6	6	2.0	12.0
	1900	5.3	3.1	6	2.0	10.0
	2350	7.7	3.9	6	3.0	13.0
	2450	7.5	2.8	6	4.0	12.0
15	100	7.3	3.1	6	4.0	13.0
	300	6.6	3.4	5	2.0	11.0
	2100	5.8	3.5	6	2.0	10.0
	3350	8.0	4.2	6	2.0	13.0
	3550	8.8	3.7	6	4.0	13.0
	3700	12.5	3.1	4	8.0	15.0
18	50	10.2	4.4	6	4.0	15.0
	150	6.8	3.9	6	2.0	12.0
	1040	7.4	2.9	5	3.0	11.0
	1780	8.2	4.5	6	3.0	15.0
	1930	11.3	6.0	6	5.0	20.0
	2030	18.8	7.9	4	9.0	27.0
19	1500	9.1	4.6	7	2.0	17.0
	1700	8.4	4.6	7	3.0	16.0
	1840	9.6	3.8	7	4.0	15.0
	1940	10.1	4.3	7	6.0	17.0
	1990	13.3	4.5	7	7.0	19.0
	2015	13.6	4.7	5	6.0	18.0
20	1580	6.6	3.0	7	2.0	11.0
	1780	7.6	3.5	7	2.0	11.0
	1930	9.7	1.7	7	7.0	12.0
	2030	16.1	7.8	7	8.0	31.0

## ST.CLAIR RIVER 1976

## TOTAL PHOSPHORUS (ug/l)

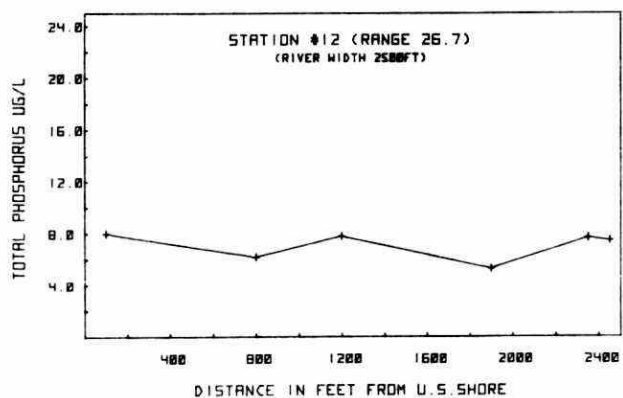
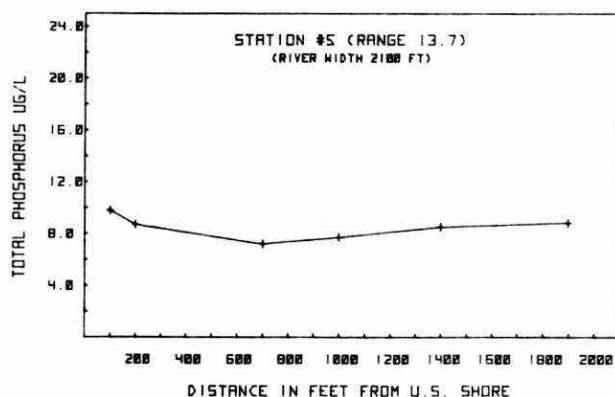
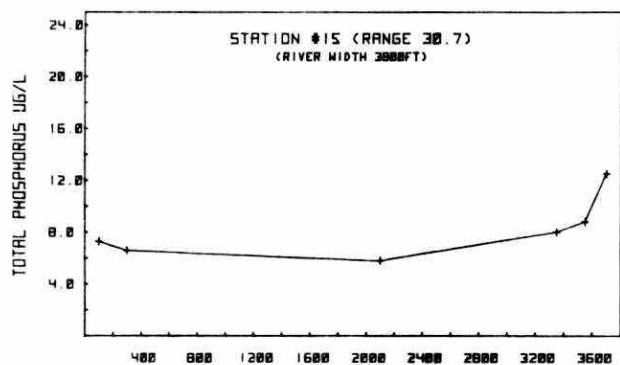
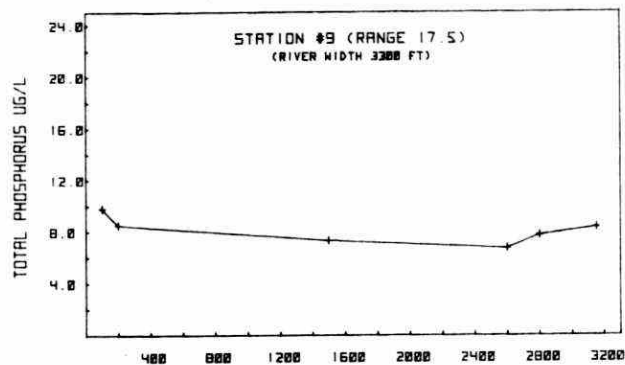
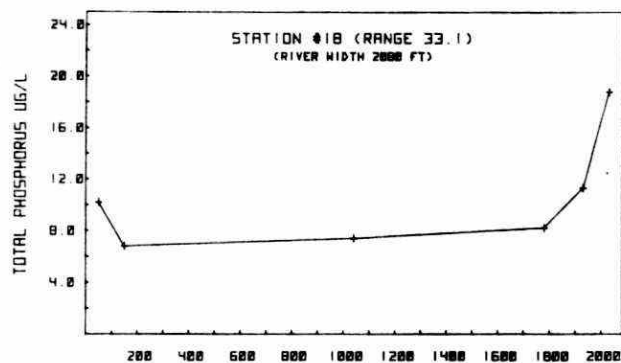
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	7.7	4.4	7	1.0	14.0
	1720	7.6	2.6	7	4.0	11.0
	1870	10.1	3.1	7	5.0	15.0
	1970	12.8	4.9	4	7.0	19.0
25	100	8.6	4.7	7	5.0	17.0
	400	7.6	4.0	7	2.0	13.0
	800	7.7	3.9	7	3.0	13.0
	1100	7.0	3.8	7	2.0	13.0
	1500	9.6	4.3	5	6.0	17.0
32	1900	14.0	1.8	4	12.0	16.0
	1950	21.0	7.4	4	10.0	26.0
	1975	14.8	5.1	4	10.0	22.0

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

## REACTIVE PHOSPHORUS (ug/l)

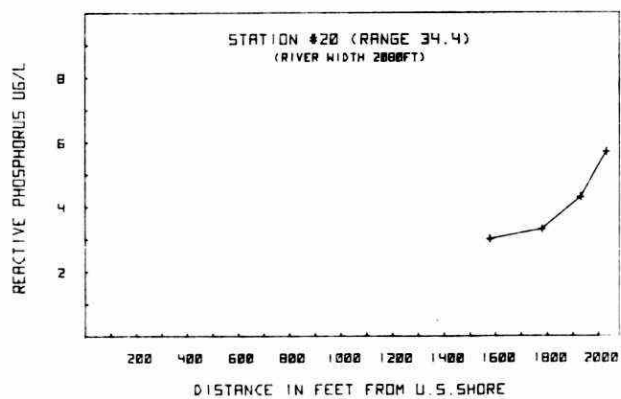
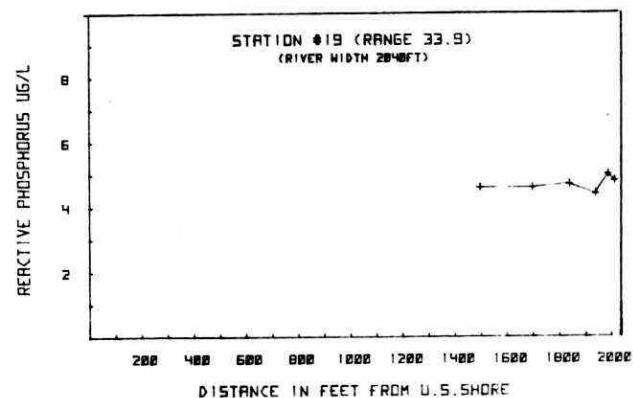
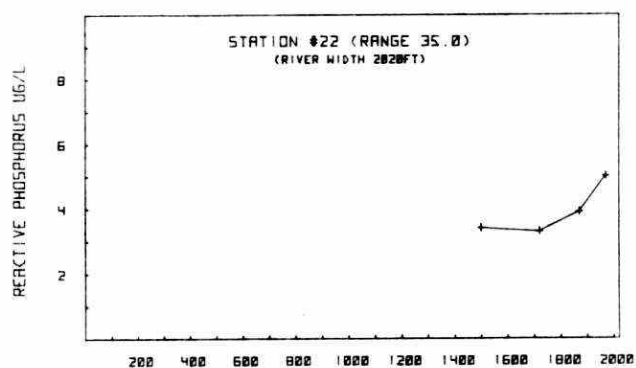
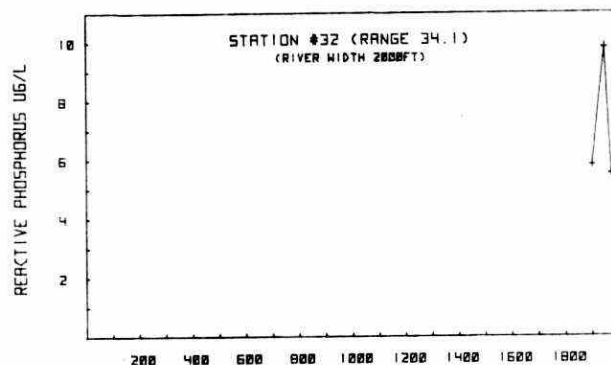
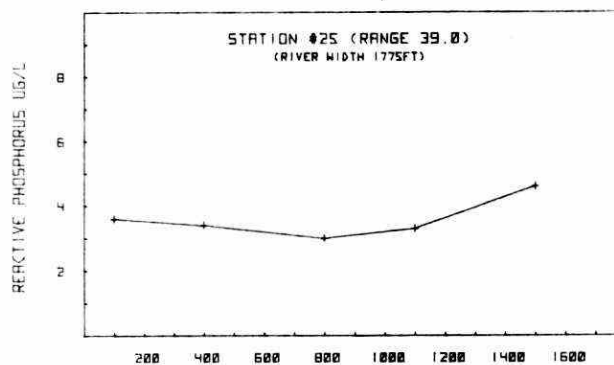
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	4.5	2.4	6	2.0	9.0
	200	4.2	1.7	6	1.0	6.0
	700	3.2	1.2	6	2.0	5.0
	1000	4.5	2.0	6	3.0	7.0
	1400	4.8	3.1	6	2.0	10.0
	1900	4.8	3.5	6	2.0	11.0
9	100	3.7	2.3	6	2.0	8.0
	200	3.2	2.1	6	1.0	7.0
	1500	3.0	2.3	6	1.0	7.0
	2600	3.2	2.1	6	1.0	7.0
	2800	2.8	1.3	6	1.0	4.0
	3150	3.7	3.3	6	1.0	10.0
12	100	3.2	1.2	6	2.0	5.0
	800	3.0	0.9	6	2.0	4.0
	1200	3.7	1.5	6	2.0	6.0
	1900	2.5	1.0	6	1.0	4.0
	2350	3.0	1.4	6	1.0	5.0
	2450	3.2	1.6	6	2.0	6.0
15	100	3.2	1.0	6	2.0	4.0
	300	3.0	0.9	6	2.0	4.0
	2100	3.0	1.8	6	1.0	6.0
	3350	3.2	1.5	6	1.0	5.0
	3550	3.7	1.5	6	2.0	6.0
	3700	4.8	2.2	4	2.0	7.0
18	50	4.8	2.2	6	3.0	8.0
	150	3.3	2.0	6	1.0	6.0
	1040	3.5	1.6	6	2.0	6.0
	1780	3.7	1.6	6	2.0	6.0
	1930	3.8	1.8	6	2.0	7.0
	2030	6.8	5.8	5	3.0	17.0
19	1500	4.6	2.2	7	1.0	7.0
	1700	4.6	2.6	7	1.0	9.0
	1840	4.7	2.1	7	2.0	7.0
	1940	4.4	1.5	7	2.0	6.0
	1990	5.0	2.2	7	2.0	7.0
	2015	4.8	1.9	5	2.0	7.0
20	1580	3.0	1.7	7	1.0	5.0
	1780	3.3	1.7	7	1.0	5.0
	1930	4.3	1.8	7	2.0	7.0
	2030	5.7	2.5	7	2.0	9.0

## ST.CLAIR RIVER 1976

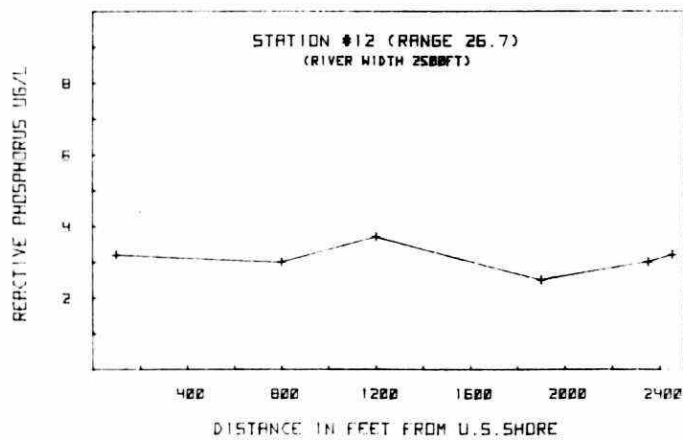
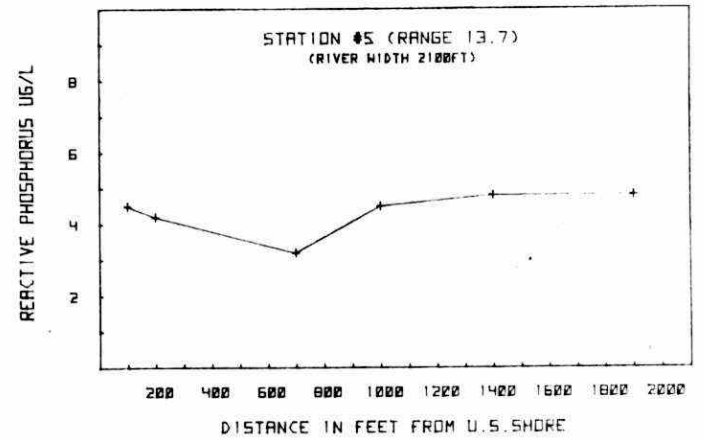
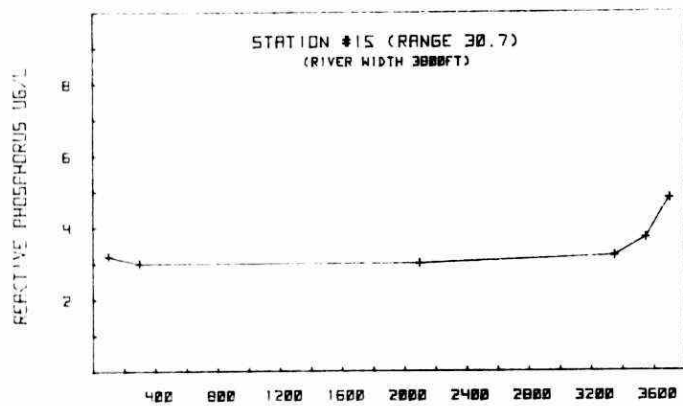
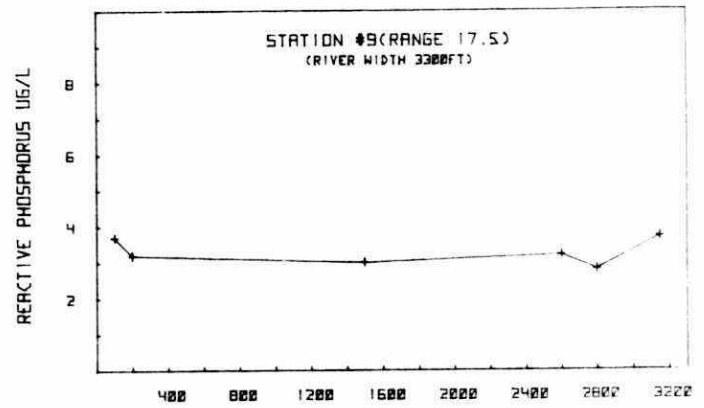
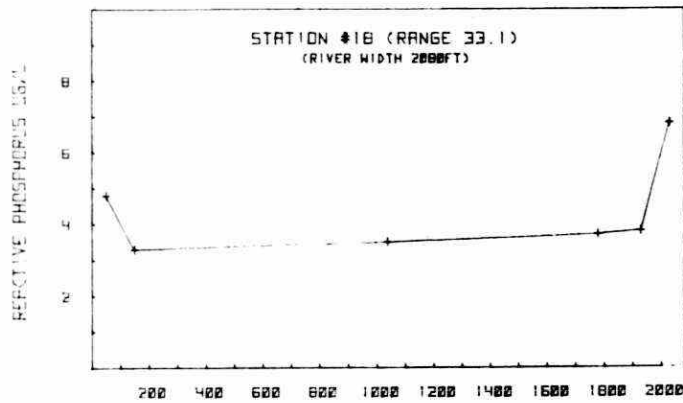
## REACTIVE PHOSPHORUS (ug/l)

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	3.4	2.4	7	1.0	8.0
	1720	3.3	1.7	7	1.0	6.0
	1870	3.9	1.7	7	2.0	6.0
	1970	5.0	0.8	4	4.0	6.0
25	100	3.6	2.6	7	1.0	9.0
	400	3.4	1.8	7	2.0	7.0
	800	3.0	1.5	7	2.0	6.0
	1100	3.3	1.8	7	1.0	6.0
	1500	4.6	2.3	5	1.0	7.0
32	1900	5.8	1.5	4	4.0	7.0
	1950	9.8	4.3	4	6.0	16.0
	1975	5.5	1.3	4	4.0	7.0

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976

CHLORIDE (mg/l)

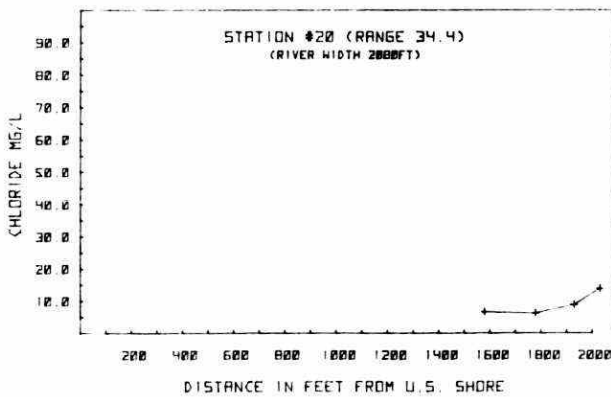
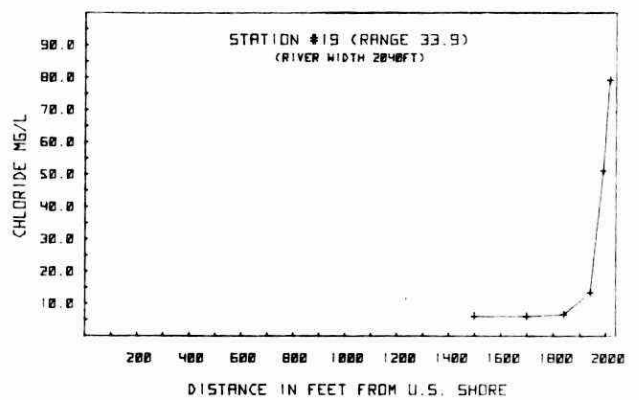
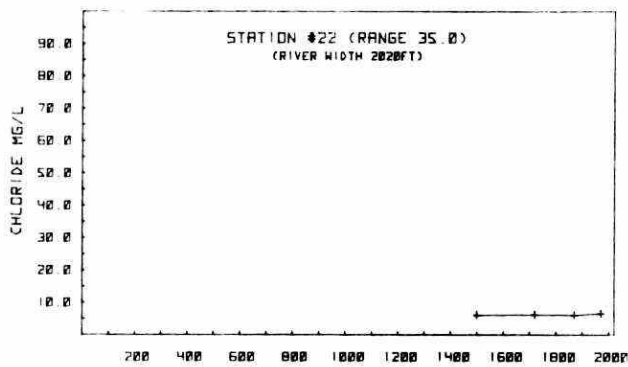
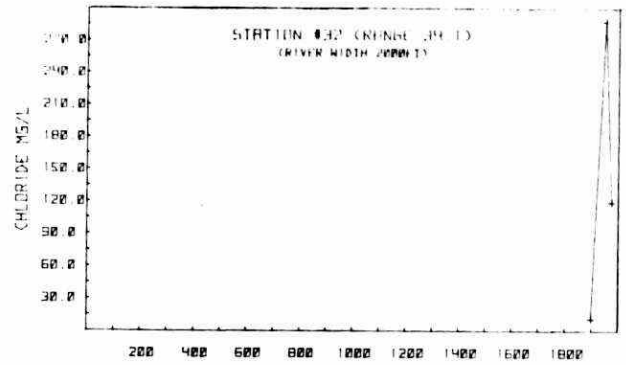
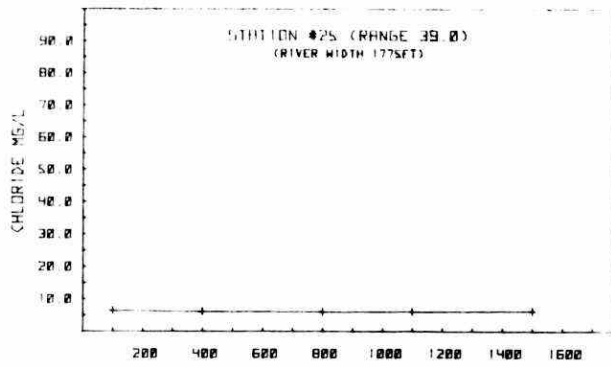
STN#	DIST. FROM U.S. SHORE	MEAN	STD. DEV.	N	MIN.	MAX.
5	100	9.4	0.9	6	8.5	11.0
	200	9.2	0.6	6	8.5	10.0
	700	7.1	0.5	6	6.4	7.7
	1000	6.6	0.2	6	6.4	7.0
	1400	7.6	0.8	6	6.8	8.7
	1900	8.9	0.6	6	7.8	9.8
9	100	9.8	1.6	6	7.8	11.5
	200	9.0	1.4	6	7.4	11.0
	1500	6.2	2.0	7	5.3	7.0
	2600	7.6	0.5	6	7.1	8.6
	2800	8.3	0.6	6	7.6	9.2
	3150	9.9	1.1	6	8.6	11.5
12	100	7.3	1.7	11	5.9	11.0
	800	6.0	0.2	6	5.9	6.3
	1200	6.1	0.2	6	5.9	6.3
	1900	6.2	0.3	6	5.7	6.4
	2350	12.6	1.5	6	10.0	14.5
	2450	14.3	1.2	6	12.5	15.5
15	100	12.7	3.4	6	6.6	16.5
	300	6.6	0.6	6	6.1	7.8
	2100	6.0	0.3	6	5.6	6.4
	3350	9.0	1.3	6	7.6	11.0
	3550	16.7	8.3	6	8.2	31.0
	3700	18.0	14.3	6	0.0	31.5
18	50	6.4	0.5	6	5.8	7.0
	150	6.2	0.2	6	6.0	6.5
	1040	6.0	0.2	6	5.8	6.3
	1780	6.5	0.3	6	6.3	7.1
	1930	19.9	8.7	6	8.5	31.0
	2030	39.5	11.3	5	27.5	57.5
19	1500	6.1	0.2	7	5.9	6.4
	1700	6.1	0.2	7	5.9	6.5
	1840	6.6	0.4	7	6.2	7.2
	1940	13.4	4.8	7	8.5	21.5
	1990	51.1	19.1	7	32.0	80.0
	2015	79.2	19.1	5	50.0	96.0
20	1580	6.6	1.0	7	5.9	8.9
	1780	6.2	0.2	7	6.0	6.4
	1930	8.8	3.3	7	6.1	13.5
	2030	13.8	4.2	7	7.0	18.0
22	1500	6.1	0.3	7	5.8	6.5
	1720	6.2	0.2	7	5.9	6.5
	1870	6.1	0.7	7	4.5	6.6
	1970	6.6	0.1	4	6.4	6.7

# ST. CLAIR RIVER 1976

CHLORIDE (mg/l)

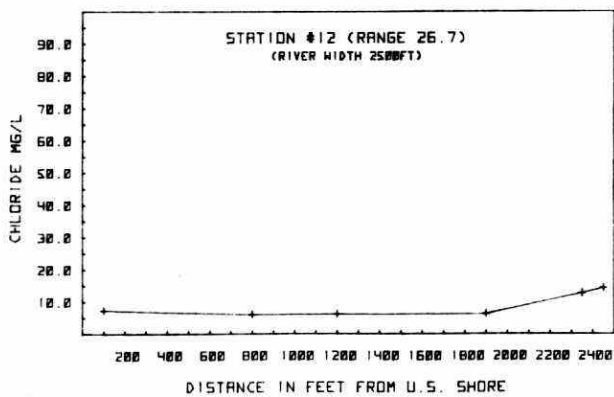
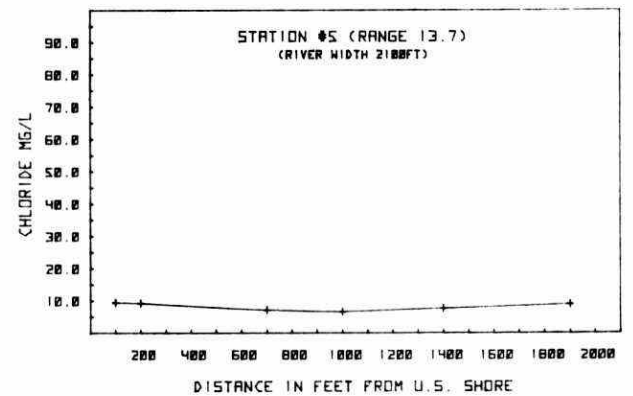
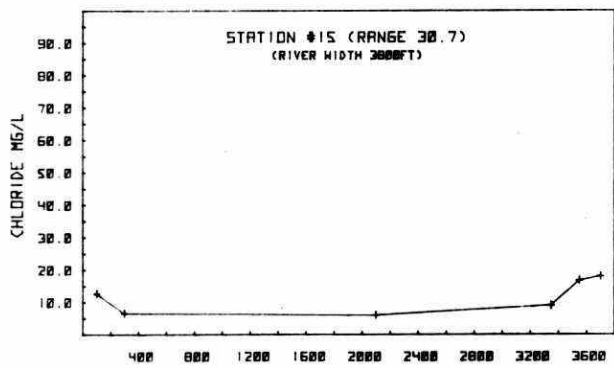
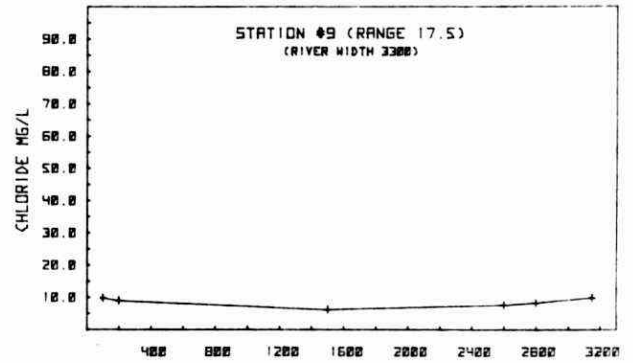
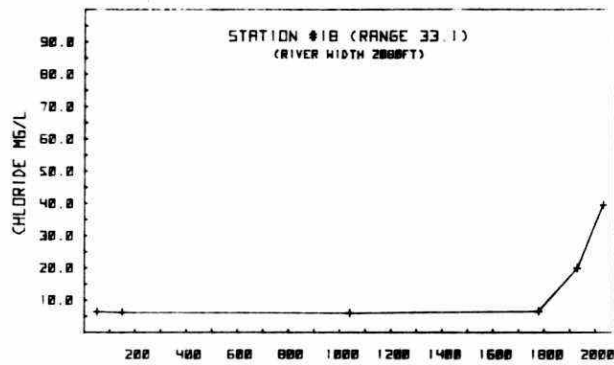
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
25	100	6.4	0.5	7	5.9	7.1
	400	6.1	0.3	7	5.8	6.8
	800	6.0	0.2	7	5.8	6.4
	1100	6.1	0.2	7	5.9	6.4
	1500	6.3	0.2	4	6.0	6.4
32	1900	11.3	2.9	4	7.1	13.5
	1950	287.8	208.8	4	11.2	500.0
	1975	119.1	200.7	4	14.0	420.0

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

ORGANIC CARBON (mg/l)

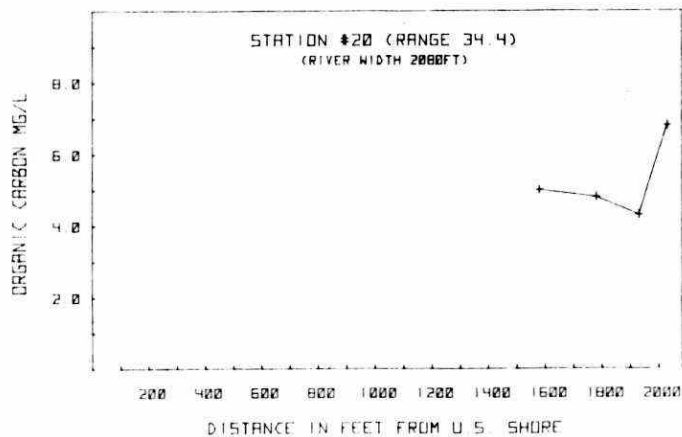
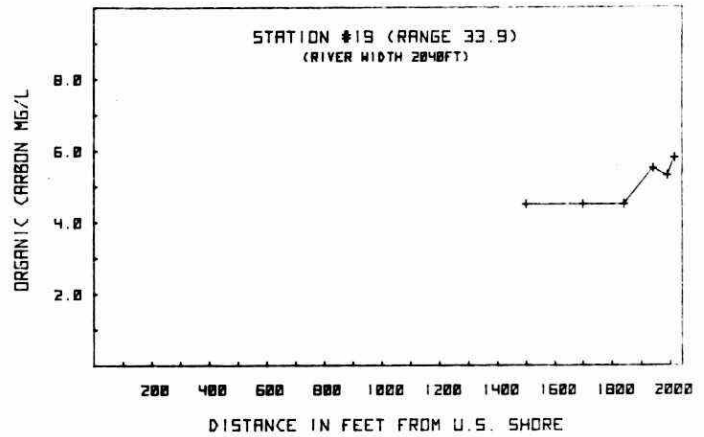
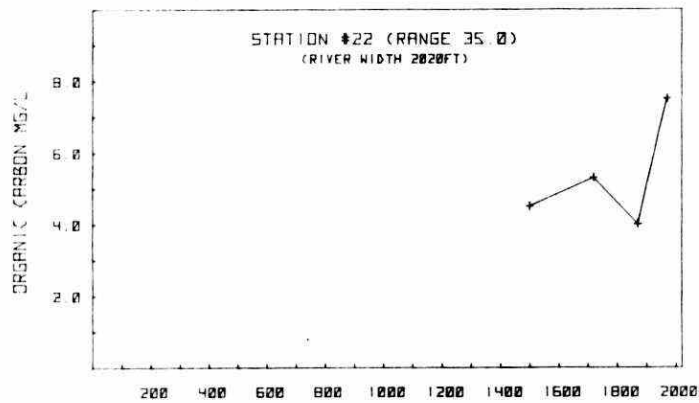
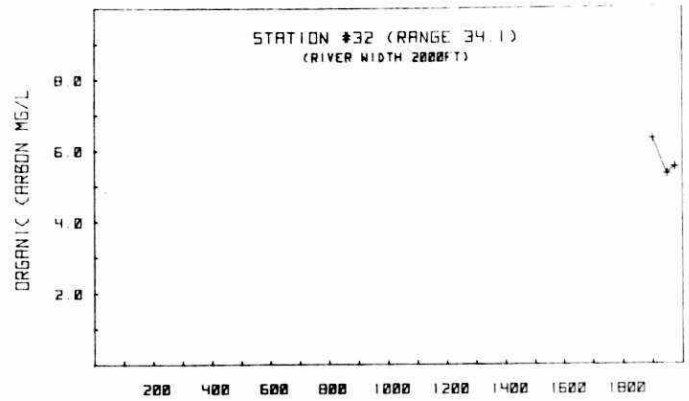
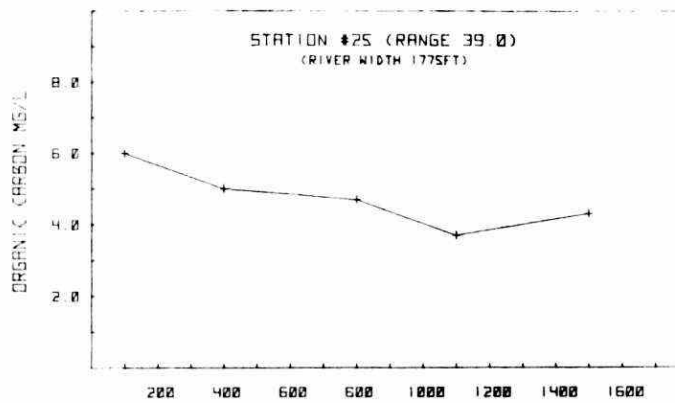
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	3.0	1.4	4	2.0	5.0
	200	4.0	1.8	4	2.0	6.0
	700	3.8	1.7	4	2.0	6.0
	1000	4.0	2.2	4	2.0	7.0
	1400	4.8	1.7	4	3.0	7.0
	1900	4.8	1.7	4	3.0	7.0
9	100	4.0	1.2	4	3.0	5.0
	200	4.5	1.7	4	3.0	7.0
	1500	4.8	1.7	4	3.0	7.0
	2600	4.0	1.4	4	3.0	6.0
	2800	5.0	1.8	4	3.0	7.0
	3150	4.0	1.6	4	2.0	6.0
12	100	4.0	1.2	4	3.0	5.0
	800	3.3	1.7	4	1.0	5.0
	1200	4.8	1.3	4	3.0	6.0
	1900	3.8	1.7	4	2.0	6.0
	2350	4.3	1.3	4	3.0	6.0
	2450	4.0	0.8	4	3.0	5.0
15	100	4.5	1.7	4	3.0	6.0
	300	4.3	1.5	4	3.0	6.0
	2100	4.5	2.1	4	2.0	7.0
	3350	3.7	3.1	3	1.0	7.0
	3550	4.3	1.5	3	3.0	6.0
	3700	5.3	2.1	3	3.0	7.0
18	50	5.0	1.7	3	3.0	6.0
	150	4.7	0.6	3	4.0	5.0
	1040	5.0	1.7	3	4.0	7.0
	1780	6.3	4.0	3	4.0	11.0
	1930	4.7	0.6	3	4.0	5.0
	2030	5.3	1.5	3	4.0	7.0
19	1500	4.5	1.3	4	3.0	6.0
	1700	4.5	1.0	4	3.0	5.0
	1840	4.5	1.7	4	3.0	7.0
	1940	5.5	1.3	4	4.0	7.0
	1990	5.3	2.9	4	3.0	9.0
	2015	5.8	1.0	4	5.0	7.0
20	1580	5.0	0.8	4	4.0	6.0
	1780	4.8	2.2	4	3.0	8.0
	1930	4.3	1.3	4	3.0	6.0
	2030	6.8	1.5	4	5.0	8.0

## ST.CLAIR RIVER 1976

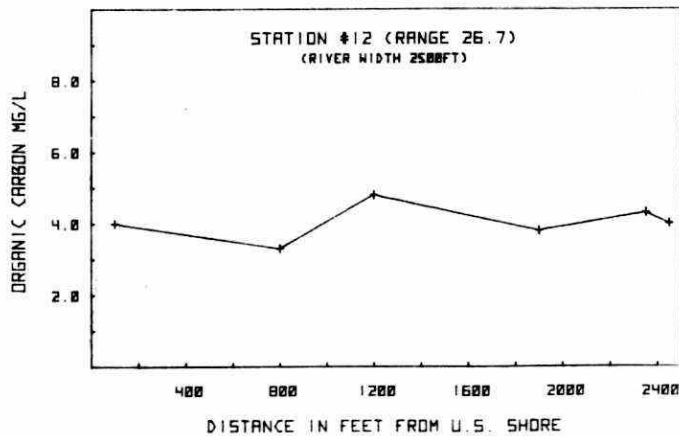
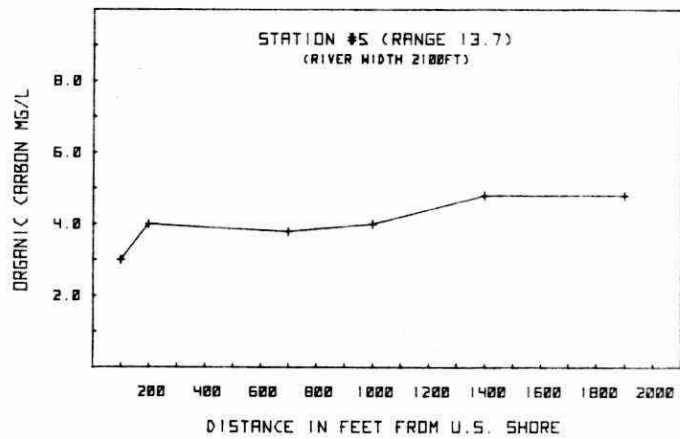
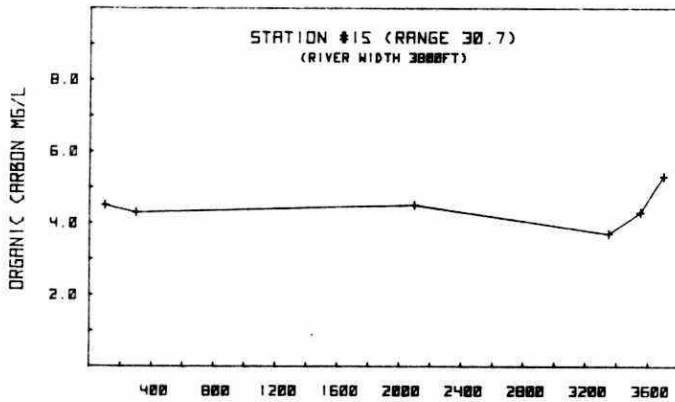
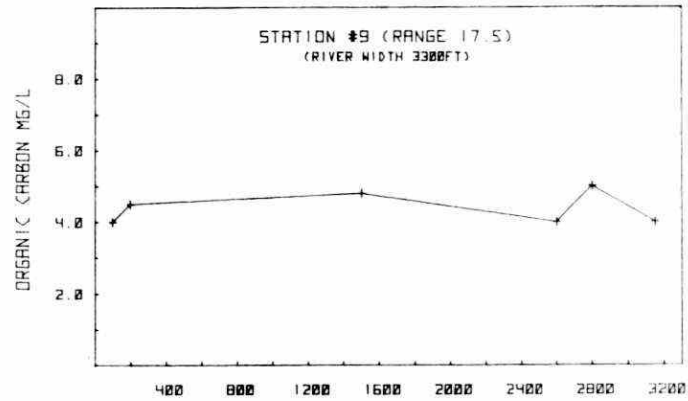
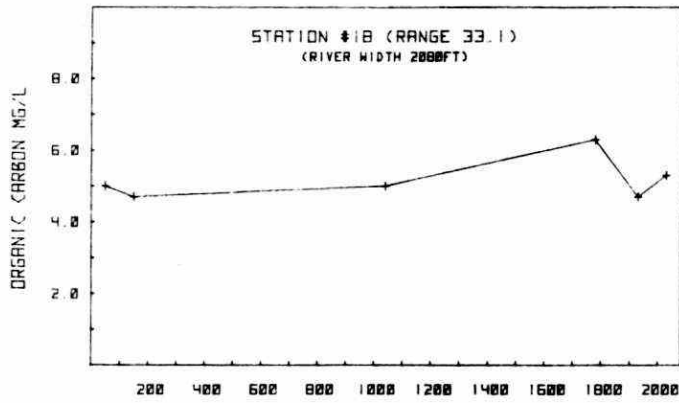
ORGANIC CARBON (mg/l)

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
22	1500	4.5	1.7	4	3.0	7.0
	1720	5.3	1.0	4	4.0	6.0
	1870	4.0	1.8	4	2.0	6.0
	1970	7.5	4.0	4	4.0	13.0
25	100	6.0	1.4	4	5.0	8.0
	400	5.0	1.0	3	4.0	6.0
	800	4.7	1.5	3	3.0	6.0
	1100	3.7	0.6	3	3.0	4.0
	1500	4.3	0.6	3	4.0	5.0
32	1900	6.3	2.6	4	4.0	10.0
	1950	5.3	1.0	4	4.0	6.0
	1975	5.5	1.0	4	4.0	6.0

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

TOTAL COLIFORMS (counts/100ml)

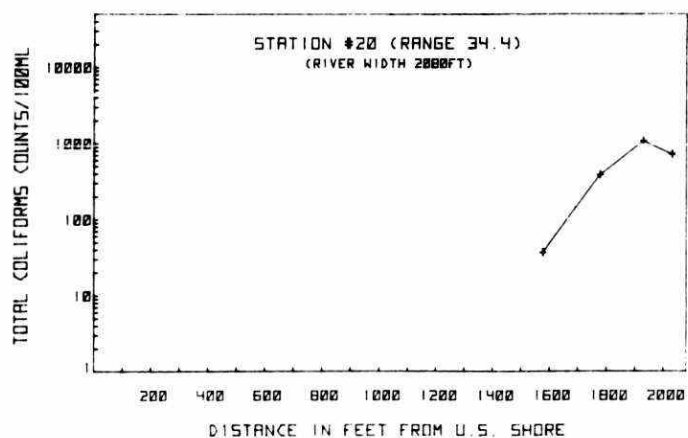
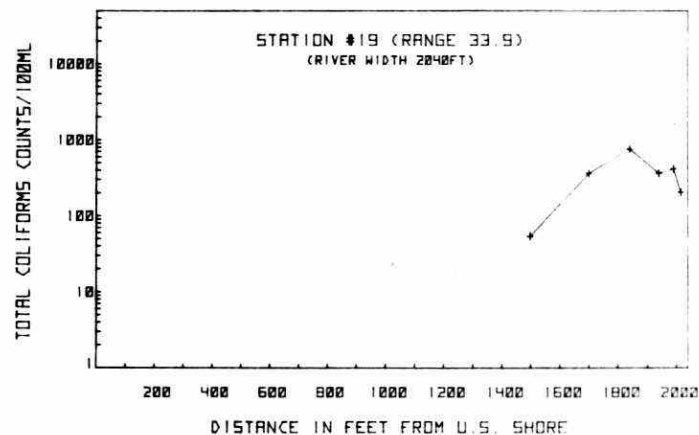
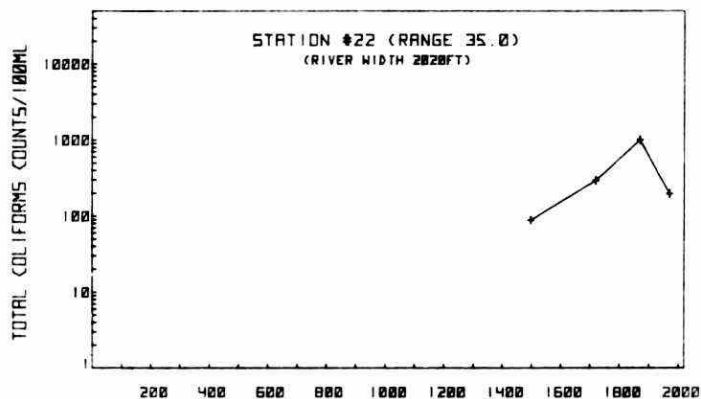
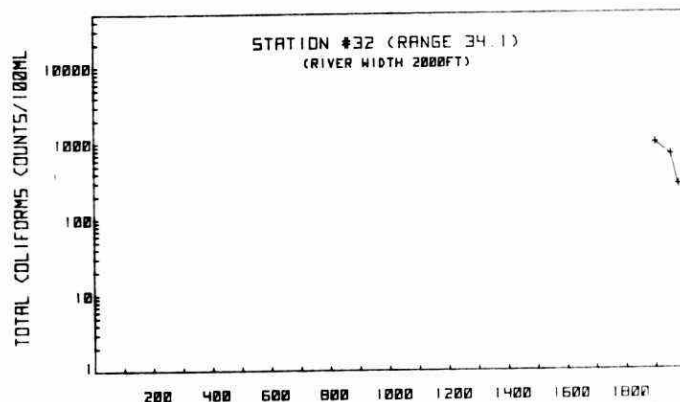
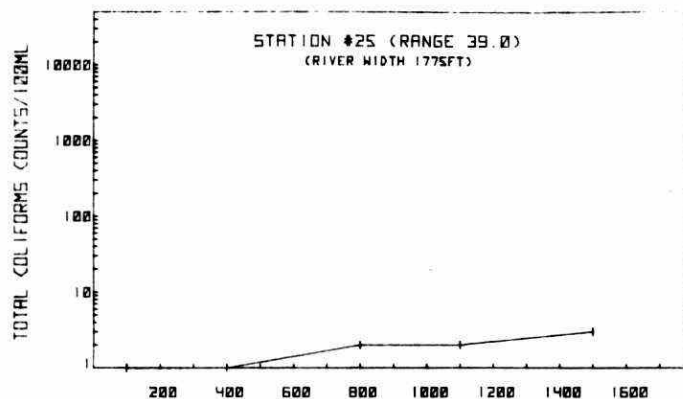
STN#	DIST. FROM U.S. SHORE	GEO. MEAN	N	MIN.	MAX.
5	100	389	3	220	1100
	200	246	3	176	348
	700	111	3	80	180
	1000	97	2	72	132
	1400	425	3	180	1400
	1900	652	3	316	1500
9	100	171	3	88	376
	200	152	3	64	288
	1500	478	3	208	1000
	2600	868	3	632	1400
	2800	2016	3	1000	2600
	3150	2052	3	1000	3600
12	100	180	3	100	404
	800	6	3	4	16
	1200	12	3	8	16
	1900	863	3	684	1200
	2350	1668	3	240	4600
	2450	1512	3	248	4500
15	100	139	3	92	252
	300	93	3	64	176
	2100	39	3	20	108
	3350	1234	3	602	2600
	3550	2052	3	500	4800
	3700	1123	3	68	6500
18	50	284	3	172	544
	150	152	3	114	192
	1040	42	3	8	114
	1780	579	3	268	1100
	1930	1094	3	728	1500
	2030	1593	3	608	3500
19	1500	54	4	16	192
	1700	359	4	60	4900
	1840	746	4	210	2800
	1940	359	4	40	1800
	1990	413	4	44	2400
	2015	202	4	12	3200
20	1580	37	4	20	112
	1780	384	4	72	2300
	1930	1066	4	344	3200
	2030	714	4	68	3800

## ST. CLAIR RIVER 1976

TOTAL COLIFORMS (counts/100ml)

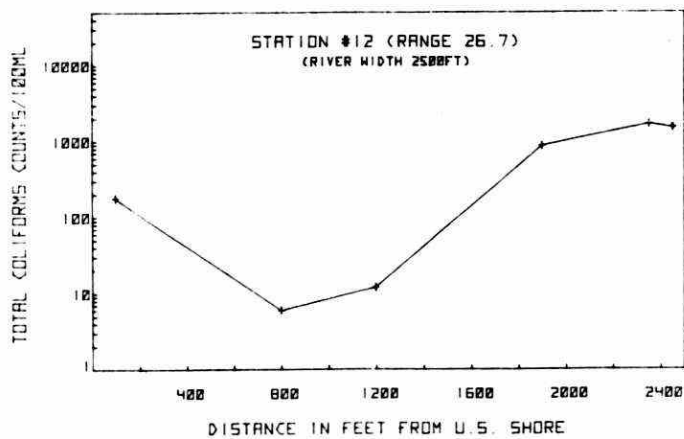
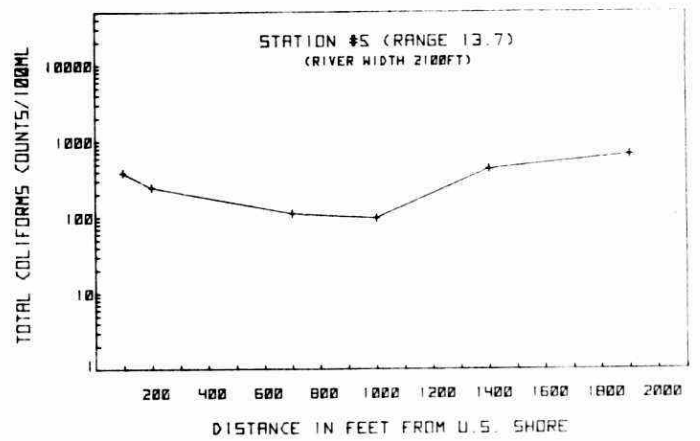
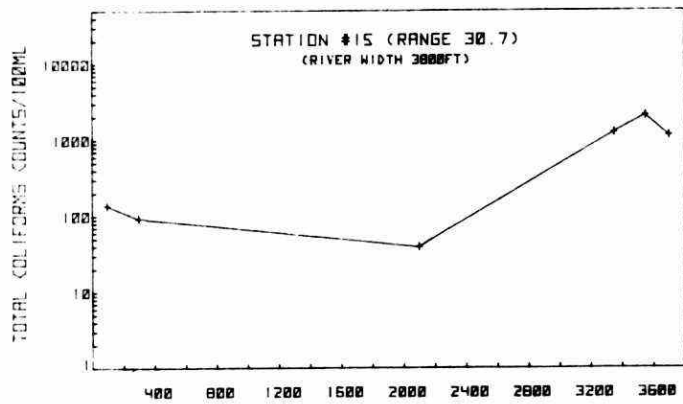
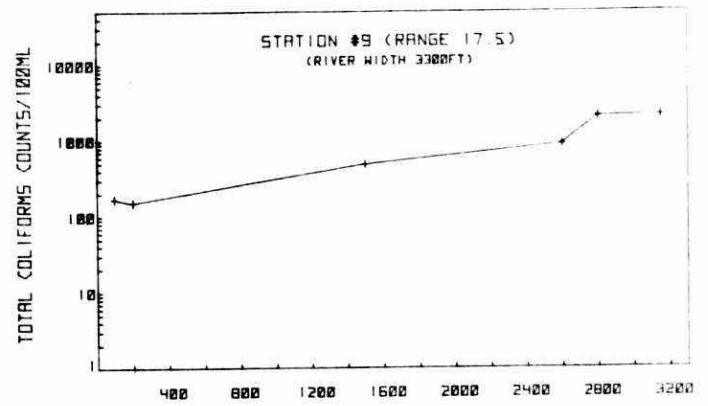
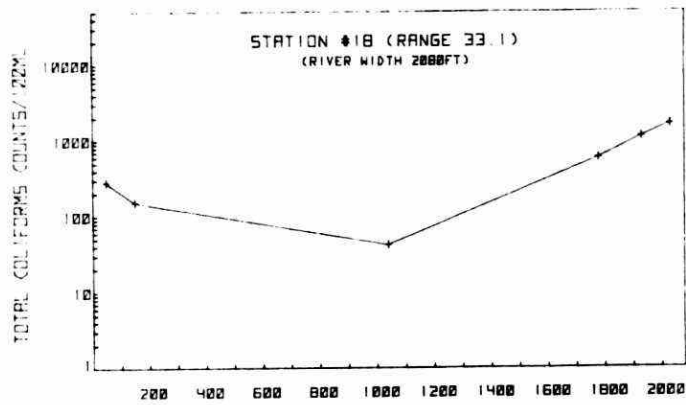
STN#	DIST. FROM U.S. SHORE	GEO. MEAN	N	MIN.	MAX.
22	1500	88	4	12	304
	1720	289	4	1	8400
	1870	993	4	190	3100
	1970	195	4	1	400
25	100	1	4	1	1
	400	1	4	1	1
	800	2	4	1	20
	1100	2	4	1	12
	1500	3	4	1	40
32	1900	953	4	490	3000
	1950	662	4	100	2800
	1975	264	4	1	3600

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST.CLAIR RIVER 1976

FECAL COLIFORMS(counts/100ml)

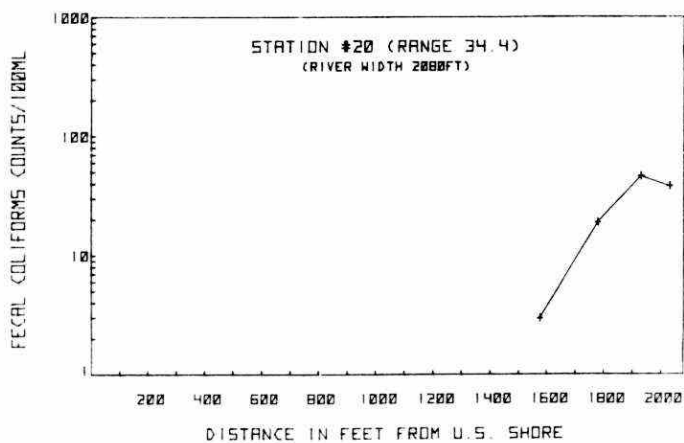
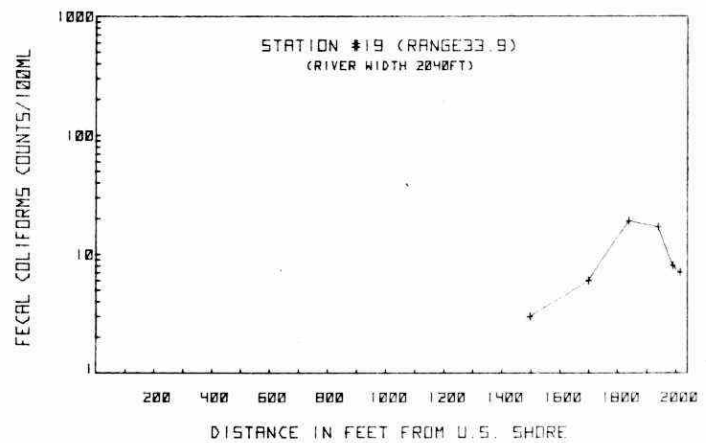
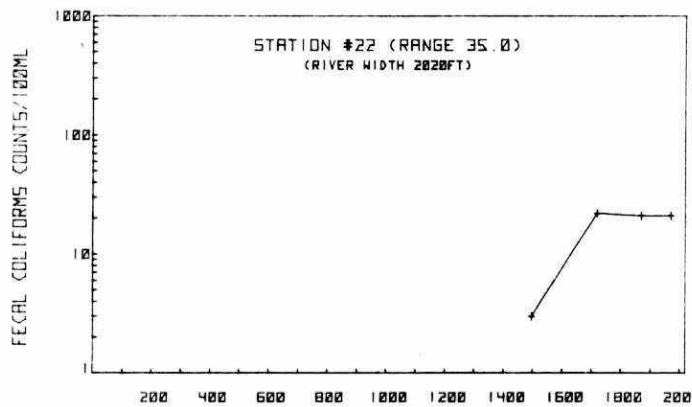
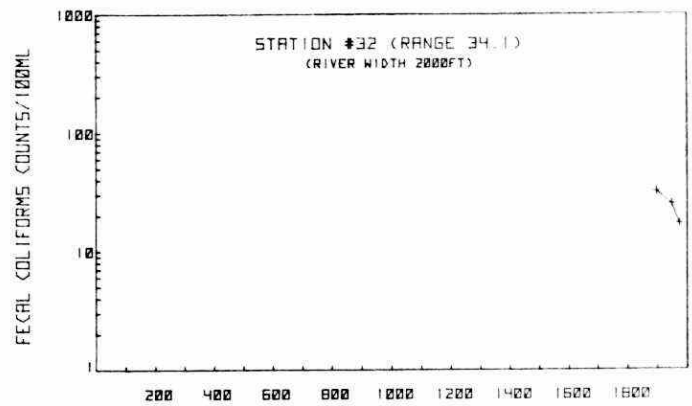
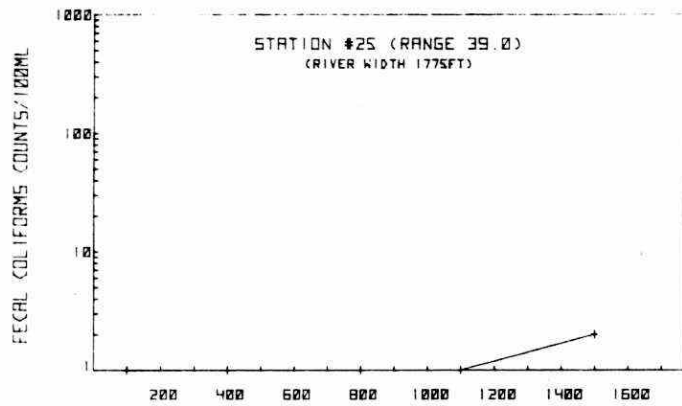
STN#	DIST. FROM U.S. SHORE	GEO.MEAN	N	MIN.	MAX.
5	100	33	3	8	284
	200	11	3	1	68
	700	9	3	4	16
	1000	17	3	8	52
	1400	23	3	4	56
	1900	29	3	8	56
9	100	13	3	1	48
	200	11	3	4	20
	1500	6	3	1	64
	2600	37	3	4	164
	2800	81	3	76	92
	3150	113	3	84	164
12	100	9	3	1	40
	800	2	3	1	4
	1200	3	3	1	4
	1900	36	3	4	188
	2350	59	3	16	144
	2450	51	3	20	92
15	100	4	3	1	16
	300	12	3	4	32
	2100	1	3	1	1
	3350	68	3	20	440
	3550	87	3	12	440
	3700	115	3	20	412
18	50	20	3	8	64
	150	12	3	4	24
	1040	4	3	1	12
	1780	25	3	8	52
	1930	48	3	24	84
	2030	45	3	12	184
19	1500	3	4	1	8
	1700	6	4	1	248
	1840	19	4	1	176
	1940	17	4	1	168
	1990	8	4	1	116
	2015	7	4	1	88
20	1580	3	4	1	32
	1780	19	4	8	168
	1930	46	4	8	300
	2030	38	4	12	140

## ST.CLAIR RIVER 1976

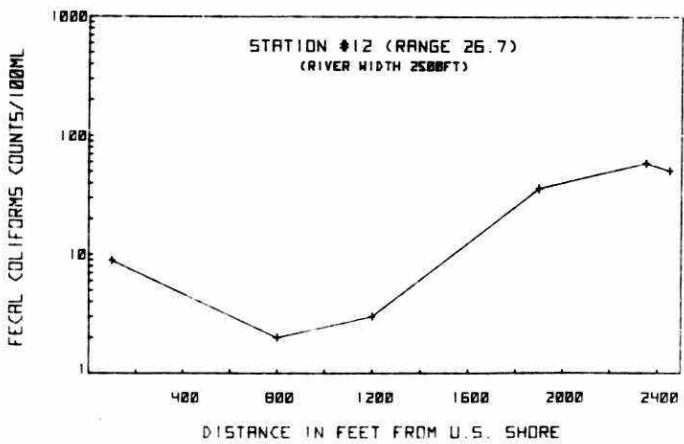
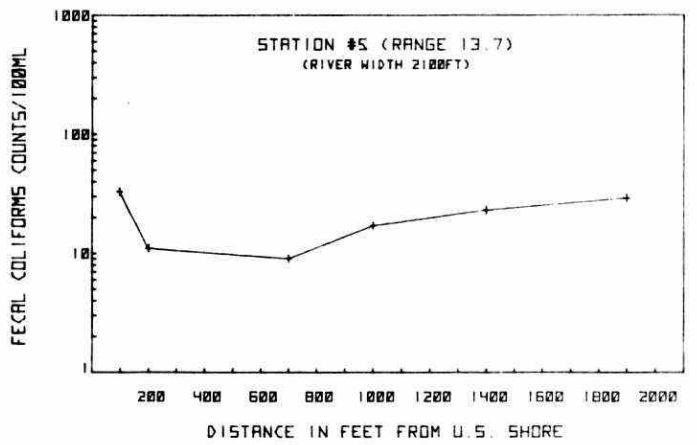
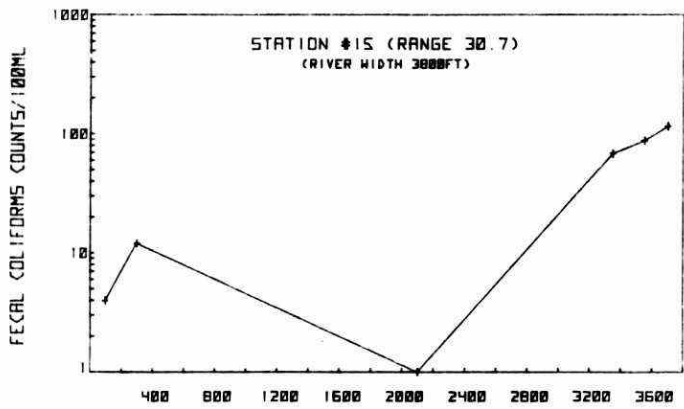
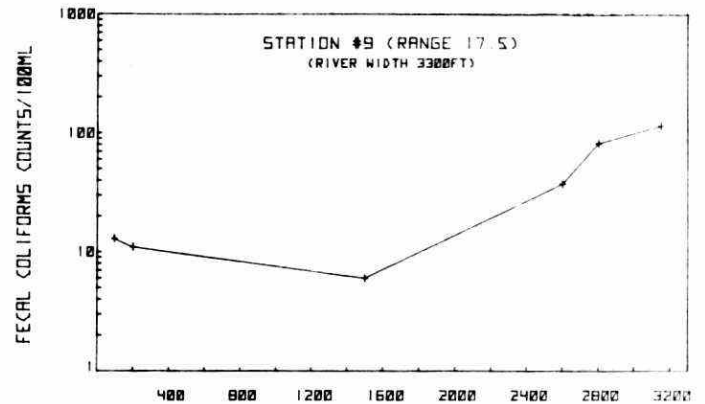
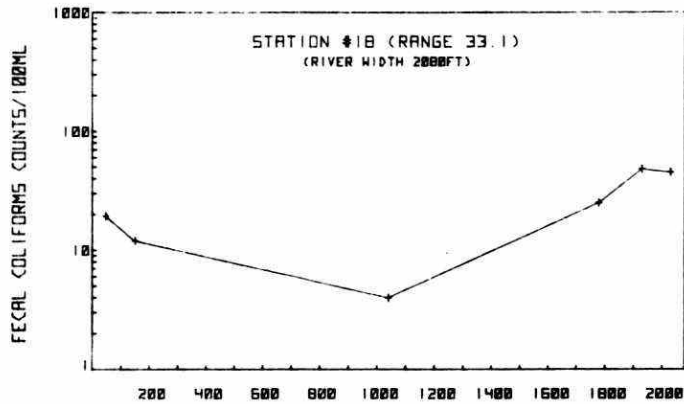
FECAL COLIFORMS (counts/100ml)

STN#	DIST. FROM U.S. SHORE	GEO. MEAN	N	MIN.	MAX.
22	1500	3	4	1	8
	1720	22	4	1	560
	1870	21	4	1	196
	1970	21	4	1	140
25	100	1	4	1	1
	400	1	4	1	1
	800	1	4	1	1
	1100	1	4	1	1
	1500	2	4	1	16
32	1900	32	4	3	204
	1950	25	4	1	244
	1975	17	4	1	260

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976



## ST. CLAIR RIVER 1976

REACTIVE SILICATE (mg/)

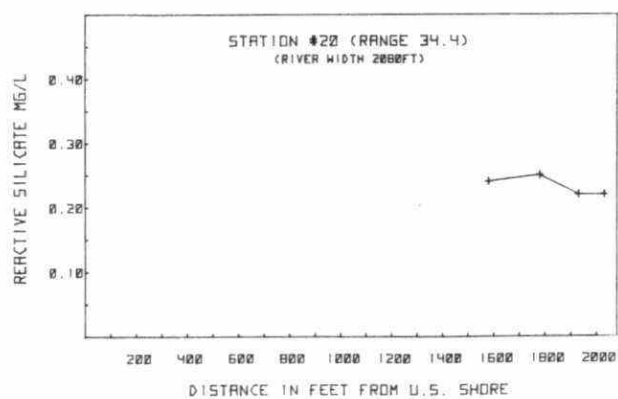
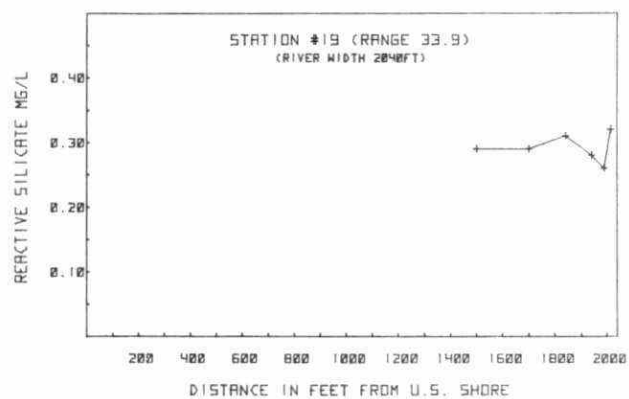
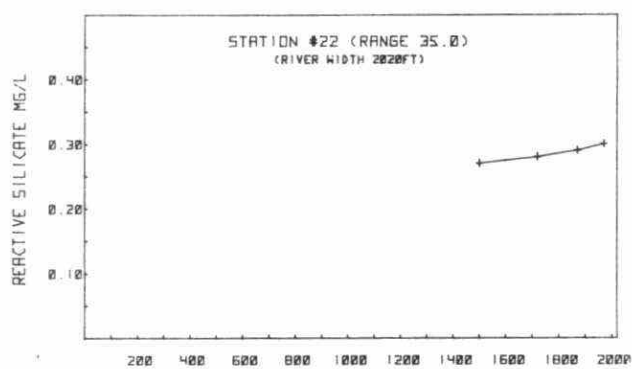
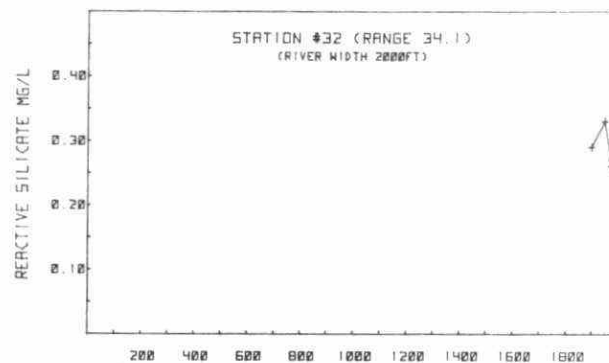
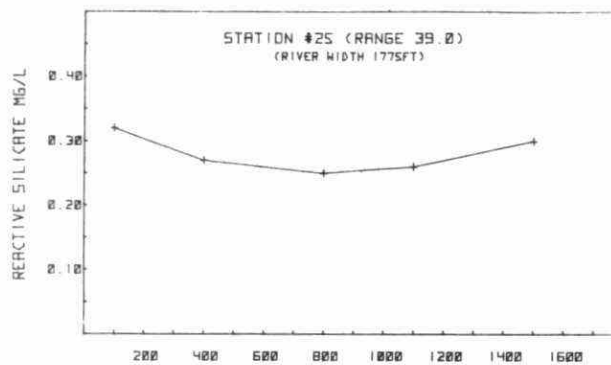
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	0.30	0.14	6	0.15	0.55
	200	0.28	0.10	6	0.15	0.45
	700	0.26	0.07	6	0.15	0.35
	1000	0.27	0.10	6	0.15	0.45
	1400	0.24	0.07	6	0.15	0.35
	1900	0.27	0.12	6	0.15	0.50
9	100	0.29	0.12	6	0.15	0.50
	200	0.32	0.20	6	0.15	0.70
	1500	0.32	0.17	6	0.15	0.55
	2600	0.30	0.18	6	0.15	0.65
	2800	0.27	0.12	6	0.15	0.50
	3150	0.27	0.12	6	0.15	0.50
12	100	0.29	0.12	6	0.15	0.50
	800	0.27	0.13	6	0.15	0.50
	1200	0.29	0.16	6	0.15	0.60
	1900	0.28	0.14	6	0.15	0.55
	2350	0.28	0.11	6	0.20	0.50
	2450	0.23	0.03	6	0.20	0.25
15	100	0.24	0.07	6	0.15	0.30
	300	0.28	0.09	6	0.15	0.40
	2100	0.26	0.09	6	0.15	0.40
	3350	0.26	0.07	6	0.20	0.40
	3550	0.23	0.03	6	0.20	0.25
	3700	0.28	0.10	4	0.20	0.40
18	50	0.28	0.09	6	0.15	0.40
	150	0.27	0.08	6	0.15	0.35
	1040	0.26	0.07	6	0.20	0.40
	1780	0.30	0.15	6	0.20	0.60
	1930	0.25	0.05	6	0.20	0.35
	2030	0.26	0.09	4	0.20	0.40
19	1500	0.29	0.17	7	0.15	0.65
	1700	0.29	0.17	7	0.15	0.65
	1840	0.31	0.20	7	0.20	0.75
	1940	0.28	0.15	7	0.15	0.60
	1990	0.26	0.08	7	0.15	0.40
	2015	0.32	0.22	5	0.15	0.70
20	1580	0.30	0.20	7	0.20	0.75
	1780	0.25	0.07	7	0.20	0.40
	1930	0.22	0.03	7	0.20	0.25
	2030	0.21	0.02	7	0.20	0.25

## ST. CLAIR RIVER 1976

REACTIVE SILICATE (mg/l)

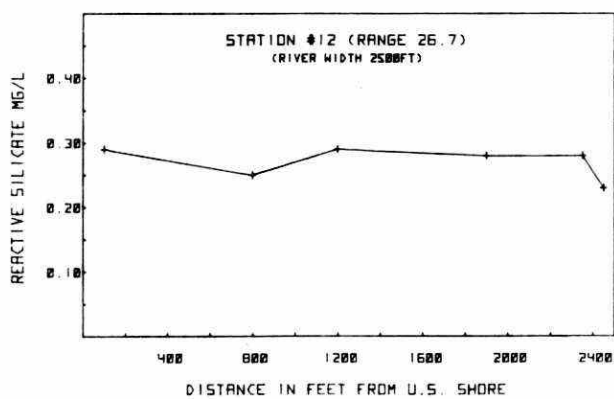
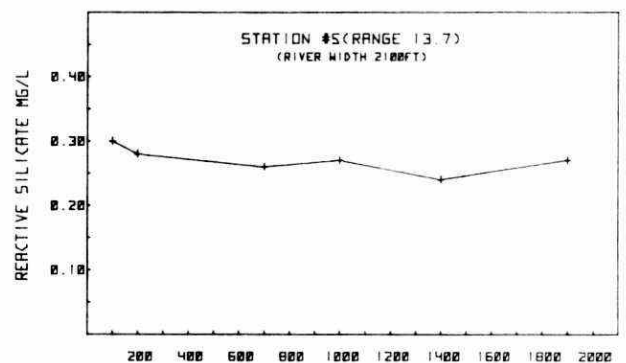
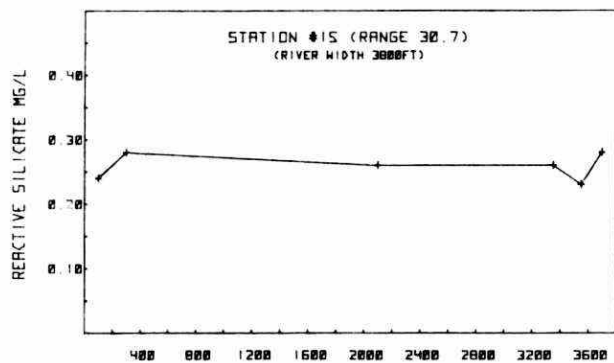
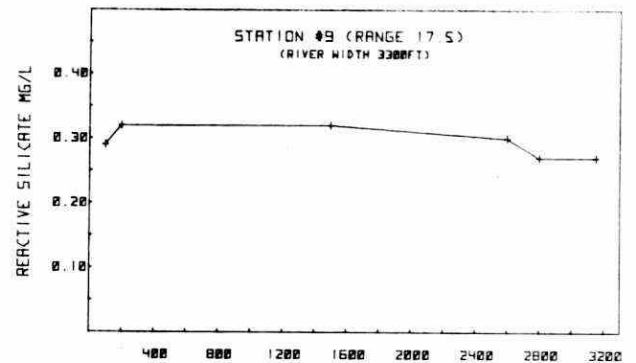
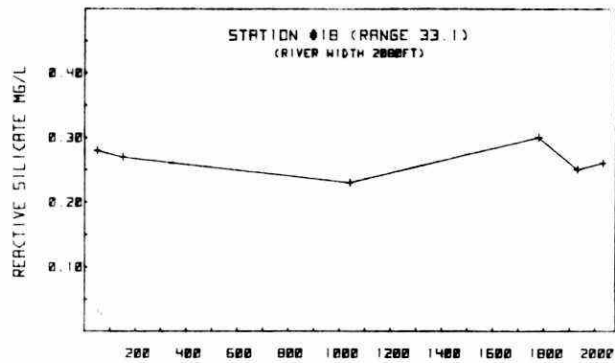
STN#	DIST. FROM U.S. SHORE	MEAN	STD. DEV.	N	MIN.	MAX.
22	1500	0.27	0.10	7	0.20	0.45
	1720	0.29	0.13	7	0.20	0.55
	1870	0.29	0.14	7	0.20	0.60
	1970	0.30	0.20	4	0.20	0.60
25	100	0.24	0.09	7	0.05	0.35
	400	0.27	0.11	7	0.15	0.50
	800	0.25	0.10	7	0.15	0.45
	1100	0.26	0.14	7	0.15	0.55
	1500	0.30	0.09	5	0.25	0.45
32	1900	0.29	0.18	4	0.20	0.55
	1950	0.33	0.22	4	0.20	0.65
	1975	0.26	0.13	4	0.20	0.45

# ST. CLAIR RIVER 1976





# ST. CLAIR RIVER 1976



## ST. CLAIR RIVER 1976

TOTAL IRON (mg/l)

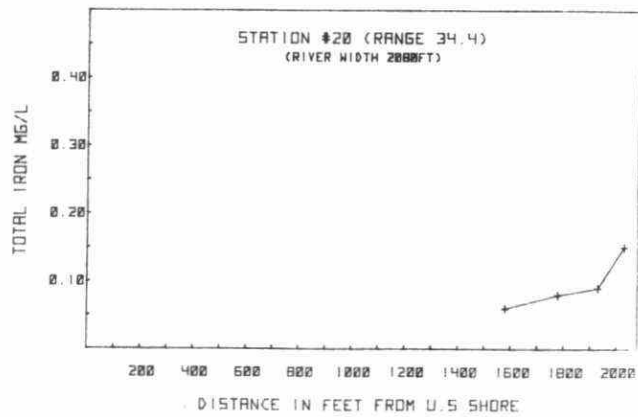
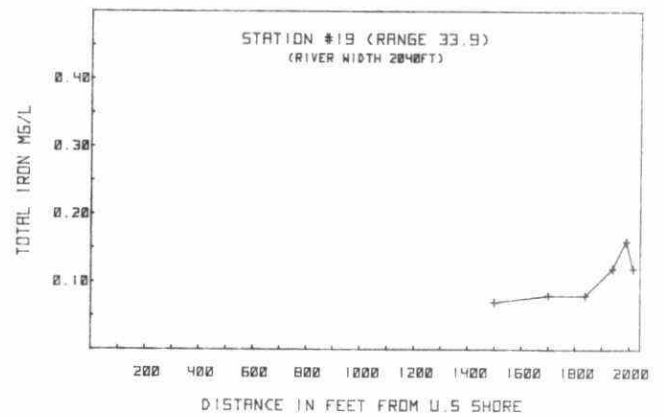
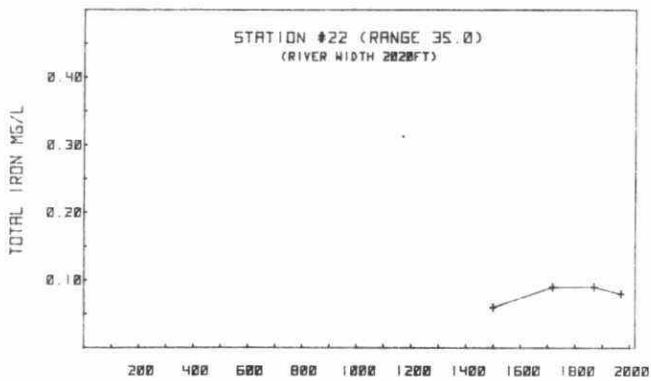
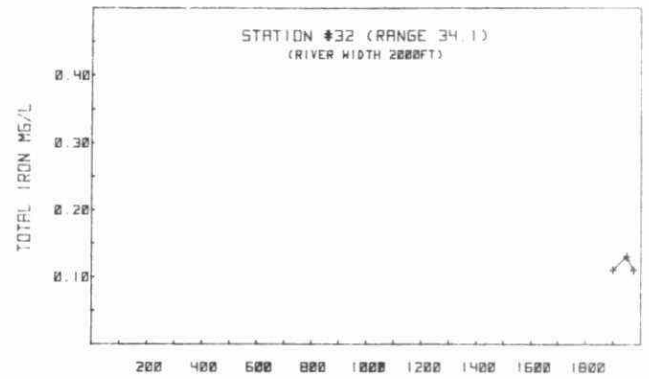
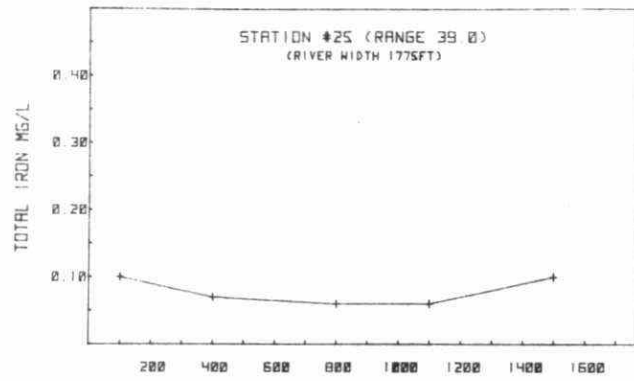
STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
5	100	0.17	0.03	6	0.14	0.20
	200	0.15	0.03	6	0.11	0.18
	700	0.12	0.04	6	0.07	0.19
	1000	0.13	0.05	6	0.08	0.23
	1400	0.09	0.01	6	0.07	0.10
	1900	0.18	0.15	5	0.10	0.44
9	100	0.13	0.02	6	0.10	0.16
	200	0.12	0.00	6	0.11	0.12
	1500	0.08	0.01	6	0.06	0.10
	2600	0.07	0.03	6	0.02	0.10
	2800	0.10	0.04	6	0.06	0.17
	3150	0.08	0.01	6	0.06	0.09
12	100	0.11	0.03	6	0.08	0.14
	800	0.08	0.05	6	0.04	0.17
	1200	0.08	0.05	6	0.05	0.17
	1900	0.05	0.01	6	0.04	0.06
	2350	0.11	0.05	6	0.05	0.23
	2450	0.12	0.06	6	0.07	0.23
15	100	0.11	0.05	6	0.07	0.18
	300	0.07	0.04	6	0.04	0.16
	2100	0.05	0.03	6	0.03	0.10
	3350	0.07	0.03	6	0.04	0.10
	3550	0.14	0.10	6	0.04	0.29
	3700	0.13	0.05	4	0.08	0.20
18	50	0.09	0.02	6	0.06	0.13
	150	0.08	0.05	6	0.04	0.18
	1040	0.06	0.02	6	0.03	0.10
	1780	0.07	0.04	6	0.04	0.16
	1930	0.10	0.09	6	0.03	0.27
	2030	0.07	0.02	4	0.06	0.10
19	1500	0.07	0.04	7	0.04	0.14
	1700	0.08	0.05	7	0.03	0.16
	1840	0.08	0.03	7	0.04	0.12
	1940	0.12	0.08	7	0.06	0.24
	1990	0.16	0.15	7	0.08	0.49
	2015	0.12	0.06	5	0.08	0.23
20	1580	0.06	0.02	7	0.05	0.09
	1780	0.08	0.04	7	0.04	0.16
	1930	0.09	0.04	7	0.05	0.15
	2030	0.15	0.16	7	0.06	0.50
22	1500	0.06	0.04	7	0.03	0.12
	1720	0.09	0.04	7	0.04	0.15
	1870	0.09	0.05	7	0.06	0.18
	1970	0.08	0.02	4	0.05	0.10

## ST. CLAIR RIVER 1976

TOTAL IRON (mg/l)

STN#	DIST. FROM U.S. SHORE	MEAN	STD.DEV.	N	MIN.	MAX.
25	100	0.10	0.10	7	0.02	0.29
	400	0.07	0.07	7	0.02	0.21
	800	0.06	0.04	7	0.02	0.13
	1100	0.06	0.04	7	0.02	0.13
	1500	0.10	0.05	5	0.06	0.18
32	1900	0.11	0.04	4	0.06	0.15
	1950	0.13	0.03	4	0.08	0.15
	1975	0.11	0.06	4	0.04	0.17

# ST. CLAIR RIVER 1976



# ST. CLAIR RIVER 1976

